100MHz OSCILLOSCOPE

CS-5355/CS-5375

SERVICE MANUAL

KENWOOD

KENWOOD TMI CORPORATION

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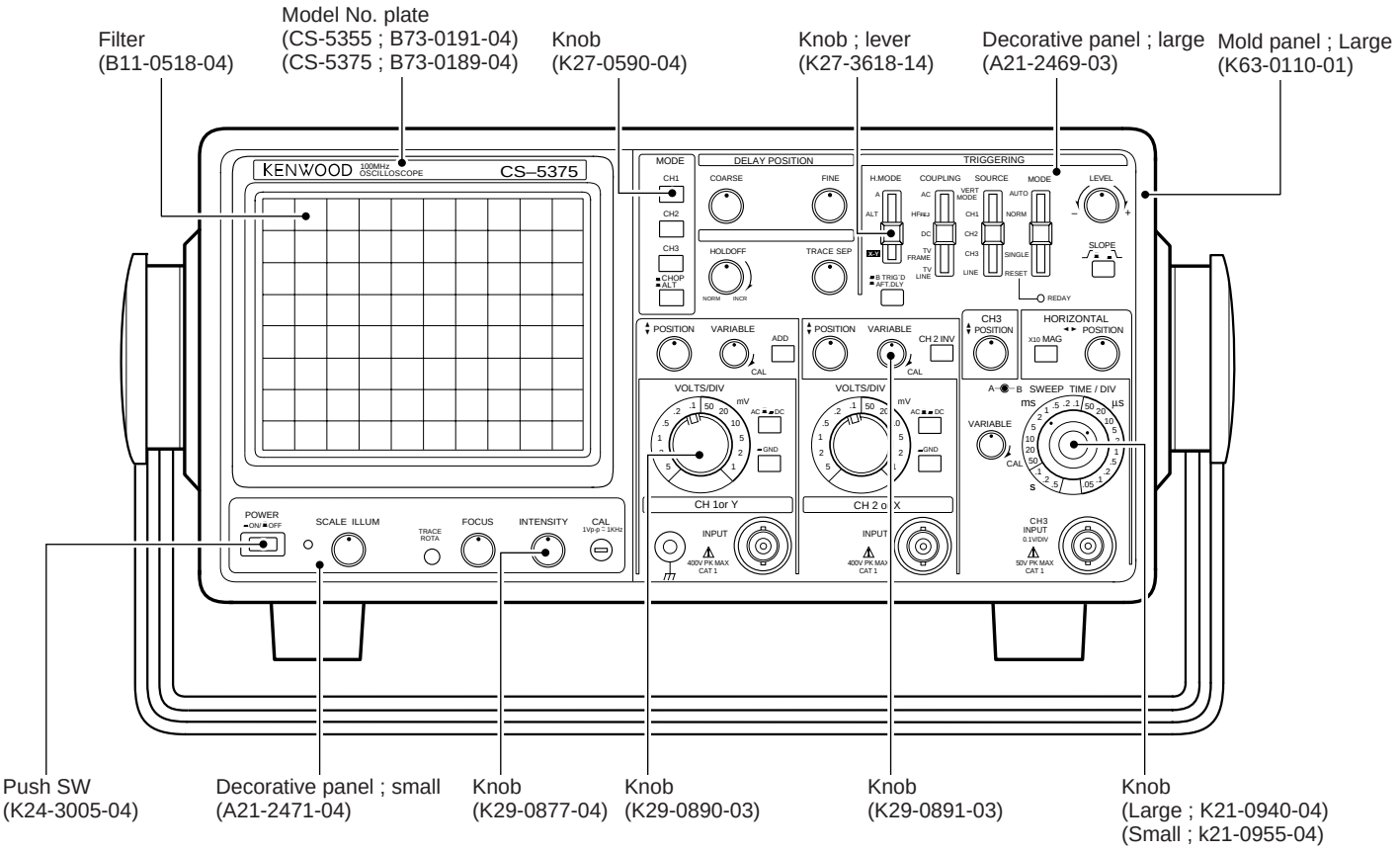

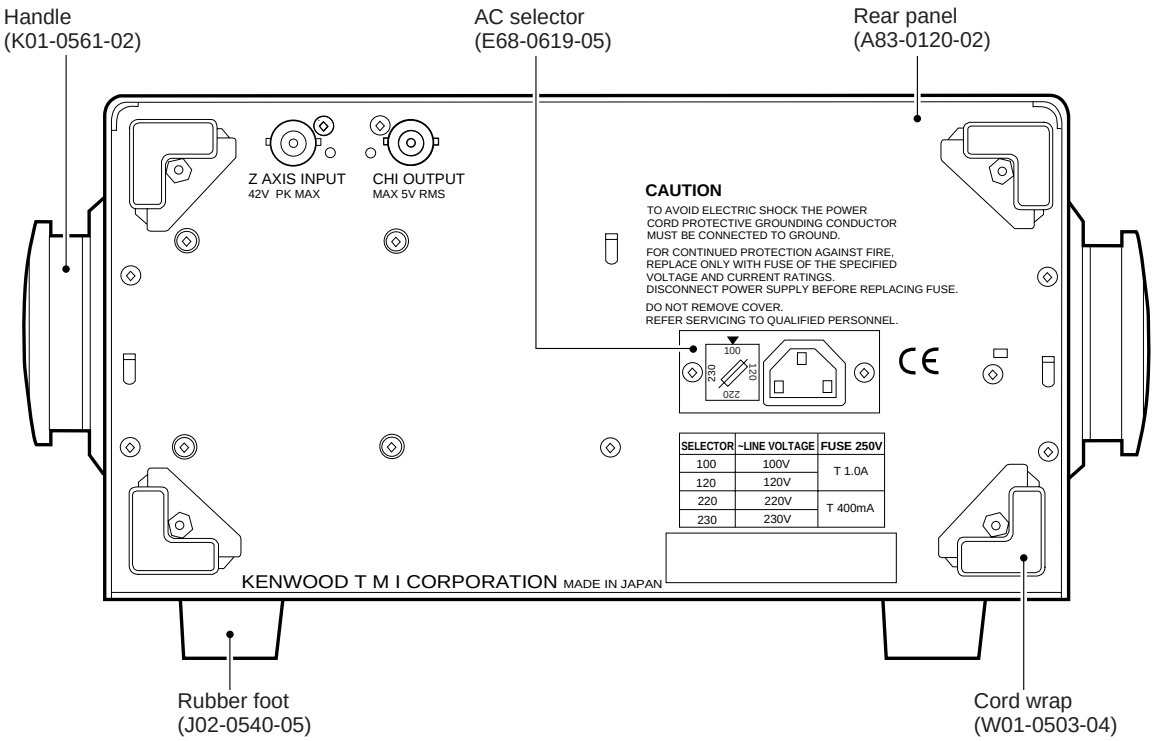
Handle
(K01-0561-02)
AC selector
(E68-0619-05)
Rear panel
(A83-0120-02)
Z AXIS INPUT
42V PK MAX
CHI OUTPUT
MAX 5V RMS
CAUTION
TO AVOID ELECTRIC SHOCK THE POWER CORD PROTECTIVE GROUNDING CONDUCTOR MUST BE CONNECTED TO GROUND.
FOR CONTINUED PROTECTION AGAINST FIRE, REPLACE ONLY WITH FUSE OF THE SPECIFIED VOLTAGE AND CURRENT RATINGS. DISCONNECT POWER SUPPLY BEFORE REPLACING FUSE.
DO NOT REMOVE COVER. REFER SERVICING TO QUALIFIED PERSONNEL.
SELECTOR | ~LINE VOLTAGE | FUSE 250V
100 | 100V | T 1.0A
120 | 120V
220 | 220V | T 400mA
230 | 230V
KENWOOD T M I CORPORATION MADE IN JAPAN
Rubber foot
(J02-0540-05)
Cord wrap
(W01-0503-04)

WARNING

The following instructions are for use by qualified personnel only. To avoid electric shock, do not perform any servicing other than contained in the operating instructions unless you are qualified to do so.

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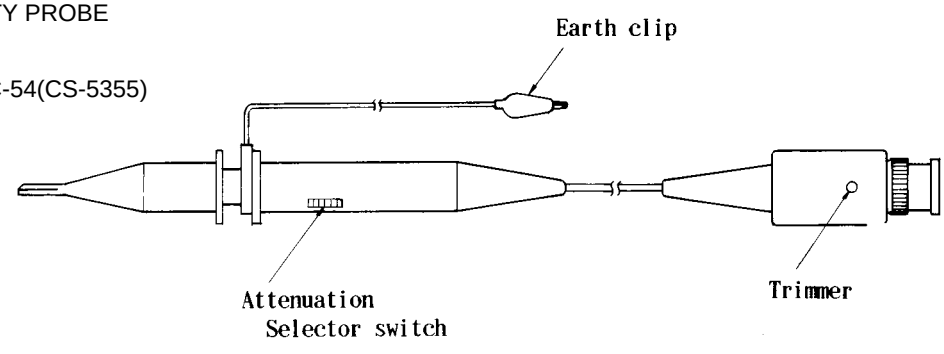
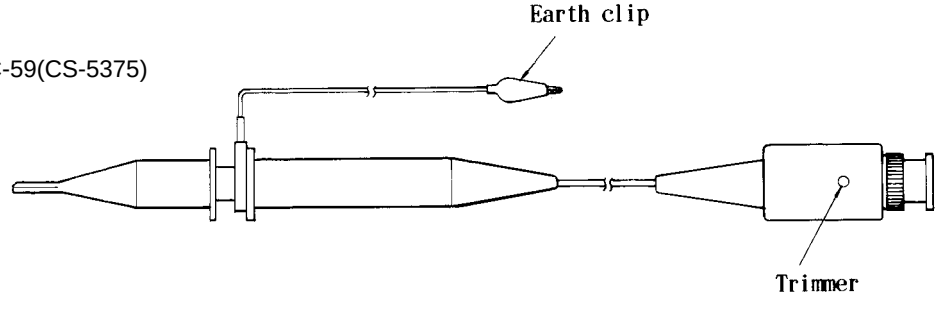
Accessories

LOW CAPACITY PROBE

PC-54(CS-5355)



PC-59(CS-5375)



SPECIFICATIONS

Items		CS-5355	CS-5375
CRT			
Type		150mm rectangular tube with an integral graticule	
Acceleration voltage		Approx. 12kV	
Effective area		8X10 divisions (1 division = 10mm)	
VERTICAL AXIS (Common to channels 1 and 2)			
Sensitivity		1mV, 2mV/div : ±5%, 5mV to 5V/div : ±2%	
Attenuation		1-2-5 steps, 12 ranges, fine control between ranges	
Input impedance		1MΩ±1%, approx. 20pF	
Frequency response (-3dB) (+10 to +35˚C)	5mV to 5V/div	DC : DC to 50MHz AC : 5Hz to 50MHz	DC : DC to 100MHz AC : 5Hz to 100MHz
	1mV to 2mV/div	DC : DC to 20MHz, AC : 5Hz to 20MHz	
Rise time (+10 to +35˚C)	5mV to 5V/div	Approx. 7ns	Approx. 3.5ns
	1mV to 2mV/div	Approx. 17.5ns	
Signal delay time		The leading edge may be checked using a square wave of the rise time less than that of this model.	
Crosstalk		-40dB or less (at 1kHz)	
⚠ Maximum input voltage		800Vp-p or 400V (DC+AC peak, 1kHz or less)	
VERTICAL AXIS (CH3)			
Sensitivity (+10 to +35˚C)		0.1V/div range : ±2%	
Input impedance		1MΩ±1%, approx. 20pF	
Frequency response (-3dB) (+10 to +35˚C)		DC to 50MHz	DC to 100MHz
Rise time (+10 to +35˚C)		Approx. 7ns	Approx. 3.5ns
Signal delay time		The leading edge may be checked using a square wave of the rise time less than that of this model.	
⚠ Maximum input voltage		100Vp-p or 50V (DC+AC peak, 1kHz or less)	
Operation		Single trace : CH1, CH2, CH3 or ADD single trace operation Multi-trace : 2 to 4 traces of CH1, CH2, CH3 and ADD	
		ALT/CHOP : Display by selecting ALT and CHOP ADD : Composite waveform of CH1 and CH2 signals are displayed.	
Chop frequency		Approx. 250kHz (in multi-trace operation)	
Channel polarity		Normal or inverted, CH2 only inverted	
HORIZONTAL AXIS (CH2, except for X10 MAG operation)			
Sensitivity (+10 to +35˚C)		1mV, 2mV/div : ±5%, 5mV to 5V/div : 3%	
Input impedance		Same as vertical axis (CH2)	
Frequency response (-3dB) (+10 to +35˚C)		DC : DC to 1MHz, AC : 5Hz to 1MHz	
X-Y phase difference		3˚C or less at 100kHz	
Operation mode		X-Y mode is selected with H.MODE CH1 : Y-axis, CH2 : X-axis	
⚠ Maximum input voltage		Same as vertical axis (CH2)	

SPECIFICATIONS

Items		CS-5355	CS-5375
SWEEP			
Sweep type		A : A seep ALT : Alternate A sweep and B sweep B : B sweep X-Y : X-Y oscilloscope operation	
Sweep time (+10 to +35˚C)	A sweep	0.5s to 50ns/div ±3% 1-2-5 steps, 22 ranges, fine adjustment between ranges	
	B sweep	50ms to 50ns/div ±3% 1-2-5 steps, 19 ranges, fine adjustment between ranges	
Sweep magnified operation (+10 to +35˚C)		X10 ±5% (±8% for over 0.5ns/div)	
Linearity (+10 to +35˚C)		±3% (±5% in X10 MAG operation)	
HOLDOFF		Continuously variable from A sweep NORM position	
Trace separation		B sweep is continuously variable by ±4 divisions or more with respect to A sweep.	
Delayed sweep operation		Continuous delay operation (AFTER DELAY) Synchronous delay operation (B TRIG'D) : Synchronous with the trigger signal	
Delay time		Continuous control by 0.2 to 10 divisions for 0.5div to maximum speed sweep	
Delay time error (+10 to +35˚C)		Reading on CRT ±4% + (0 to 300ns)	
Delay jitter		20000 : 1 of a value 10 times as high as A sweep setting (A sweep : 1ms/div, B sweep : 1µs/div)	
TRIGGERING			
Trigger modes		AUTO : Automatic free running with no signal NORM : Triggered sweep FIX : Sweep at triggering point set to center of signal amplitude SINGLE : Single sweep mode RESET : Restarting single sweep operation	
Trigger signal sources		VERT : Input signal selected for V.mode CH1 : Channel 1 input signal CH2 : Channel 2 input signal CH3 : Channel 3 input signal LINE : Commercial power line	
Trigger coupling (For trigger sensitivity, see the table below.)		AC : AC coupling from 10Hz HF REJ : Low-pass filter coupling up to 10kHz DC : DC coupling TV-F (TV FRAM) : Composite video signal, vertical synchronization separation. TV-F (TV LINE) : Composite video signal, horizontal synchronization separation.	

SPECIFICATIONS

Trigger sensitivity (+10 to +35˚C)

MODE	COUPLING	Signal frequency		Sensitivity (Amplitude)	
		CS-5355	CS-5375	NORM	FIX*
NORM	AC	10Hz to 20MHz	10Hz to 50MHz	1div	1.5div
		20M to 50MHz	50M to 100MHz	1.5div	2div
	HF REJ	10Hz to 10kHz		1div	1.5div
		over 10kHz		>min	>min
	DC	DC to 20MHz	DC to 50MHz	1div	1.5div
		20M to 50MHz	50M to 100MHz	1.5div	2div
	TV-F, -L	Composite video signal		1.5div	

AUTO : Same as above specifications for above 40Hz.

(The table shows the sensitivities in terms of the amplitude display on the CRT.)
(>min. for the HF REJ sensitivity shows that the amplitude necessary for synchronization increases.)

FIX* : Same as above specifications for above 50Hz.

Items		CS-5355	CS-5375
CALIBRATION SIGNAL : Positive square wave, 1Vp-p ±3%Frequency : Approx. 1kHz			
INTENSITY MODULATION			
Input voltage		Darkens at TTL level (+5V)	
Input impedance		Approx. 10kΩ	
Frequency response (+10 to +35˚C)		DC to 5MHz	
⚠ Maximum input voltage		84Vp-p or 42V (DC+AC peak, 1kHz or less)	
CH1 OUTPUT SIGNAL (with 50Ω load)			
Output voltage		Approx. 50mVp-p/div	
Output impedance		Approx. 50Ω	
Frequency response (-3dB)	1mV/div, 2mV/div	100Hz to 20MHz	
	Over 5mV/div	100Hz to 50MHz	100Hz to 100MHz
TRACE ROTATION : Trace angle is adjustable with a semi-fixed control on panel			
POWER SUPPLY			
Voltage		100/120/220/230 VAC (Voltage fluctuation : within±10%)	
Frequency		50Hz or 60Hz	
Power consumption (Maximum value)		44W, 57VA	45W, 58VA
DIMENSIONS AND WEIGHT (Valves enclosed in parentheses include projections.)			
Width		305mm (344mm)	
Height		150mm (165mm)	
Depth		400mm (459mm)	
Weight (Approximately)		8.8kg	

SPECIFICATIONS

Items	CS-5355	CS-5375
ENVIRONMENTAL (Indoor use only)		
Altitude	Up to 2000m	
Over voltage Category	Ⅱ	
Pollution Degree	2	
TEMPERATURE AND HUMIDITY		
Operating	0 to 40˚C, 85% RH or less	
Storage	-20 to 70˚C, 85% RH or less	
ACCESSORIES		
Probe (2 each)	PC-54 : 10MΩ±2%, 22pF±10%, 1/10 [CS-5355] 1MΩ±2%, 200pF max. (probe only), 1/1 PC-59 : 10MΩ±2%, 12.5pF±10%, 1/10 [CS-5375]	
Instruction manual	1	
Adjusting screwdriver	1	
Power cord	1	
Replacement fuse	T1Ax1 (for 100V area) or T400mAx1 (for 200V area) (T : TIME lag fuse)	
REGULATORY INFORMATION		
LVD	EN61010-1&A2 (1995)	
EMI	EN55011 (1991), CLASS B	
	FCC 47CFR, Part 15, Sub-Part B, Class B	
EMS	IEC801-2 (1991) 8kVAD	
	IEC801-3 (1984) 3V/m	
	IEC801-4 (1988)	

■ The specification shown above are subject to change without notice.

SAFETY

SAFETY

Before connecting the instrument to a power source, carefully read the following information, then verify that the proper power cord is used and the proper line fuse is installed for power source. The specified voltage is shown on the rear panel. If the power cord is not applied for specified voltage, there is always a certain amount of danger from electric shock.

Line voltage

This instrument operates using ac-power input voltages that 100/120/220/230 V at frequencies from 50 Hz to 60Hz.

Power cord

The ground wire of the 3-wire ac power plug places the chassis and housing of the oscilloscope at earth ground. Do not attempt to defeat the ground wire connection or float the oscilloscope ; to do so may pose a great safety hazard. The appropriate power cord is supplied by an option that is specified when the instrument is ordered.
The optional power cords are shown as follows in Fig.1

Line fuse

The fuse holder is located on the rear panel and contains the line fuse. Verify that the proper fuse is installed by replacing the line fuse.

Voltage conversion

This oscilloscope may be operated from either a 100V to 230V, 50/60 Hz power source. Use the following procedure to change from 100 to 230 volt operation or vice versa.

1. Remove the fuse holder.
2. Replace fuse F1 with a fuse of appropriate value, 1 amp for 100 VAC to 120 VAC operation. 630 m amp for 220 VAC to 230 VAC operation.
3. Reinsert it for appropriate voltage range.
4. When performing the reinsertion of fuse holder for the voltage conversion, the appropriate power cord should be used. (See Fig. 1.)

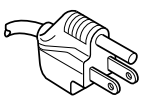
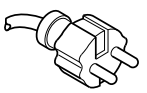
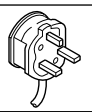
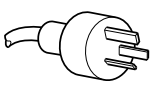
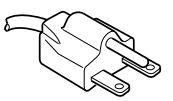
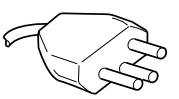
Plug configuration	power cord and plug type	Factory installed instrument fuse	Line cord plug fuse	Parts No. for power cord
	North American 120 volt/60 Hz Rated 15 amp (12 amp max ; NEC)	0.7A, 250V slow blow 5x20mm	None	E30-1951-05
	Universal Europe 220 volt/50 Hz Rated 16 amp	0.3A, 250V slow blow 5x20 mm	None	E30-1952-05
	U.K. 240 volt/50 Hz Rated 5 amp	0.3A, 250V slow blow 5x20 mm	5A Type C	E30-1963-15
	Australian 240 volt/50 Hz Rated 10 amp	0.3A, 250V slow blow 5x20 mm	None	E30-1953-05
	North American 240 volt/60 Hz Rated 15 amp (12 amp max ; NEC)	0.3A, 250V slow blow 5x20mm	None	–
	Switzerland 230 volt/50Hz Rated 10 amp	0.3A, 250V slow blow 5x20 mm	None	–

Fig.1 Power Input Voltage Configuration

ADJUSTMENT

To obtain the best performance, periodically calibrate the unit. Sometimes, only one mode need be calibrated, while at other times, all modes should be calibrated. When one mode is calibrated, it must be noted that the other modes may be affected. When calibrating all modes, perform the calibration in the specified sequence.
The following calibration required an accurate measuring instrument and an insulated adjusting flat blade screwdriver. If they are not available, contact your dealer. For optimum adjustment, turn the power on and warm up the scope sufficiently (more than 30 minutes) before starting.
Before calibrating the scope, check the power supply voltage.

TEST EQUIPMENT REQUIRED

The following instrument or their equivalent should be used for making adjustment.

Test Equipment	Model
Digital Multi Meter	DL-712 (KENWOOD TMI)
Digital Multi Meter	R-6450 (Advantest)
Square Wave Generator	PG-506 (Tektronix)
Sine-Wave Generator (1)	SG-503 (Tektronix)
Sine-Wave Generator (2)	MG3631A (Anritsu)
Sine-Wave Generator (Low Frequency)	AG-203A (KENWOOD TMI)
Time Marker Generator	TG-501 (Tektronix)
Oscilloscope	CS-6040 (KENWOOD TMI)
DC standard	R6142 (Advantest)
Capacitance meter	3520 (Hioki)
Color Pattern Generator	CG-931 (KENWOOD TMI)
Termination	–

Table 1

PREPARATION FOR ADJUSTMENT

Control Settings

The control settings listed below must be used for each adjustment procedure.
Exceptions to these settings will be noted as they occur. After completing a adjustment, return the controls to the following settings.

NAME OF KNOBS	POSITION
INTENSITY	12 O'clock
FOCUS	12 O'clock
▲▼ POSITION	12 O'clock
◀▶ POSITION	12 O'clock
VARIABLE	CAL
AC-GND-DC	DC
VOLTS/DIV	5V/DIV
A/B SWEEP TIME/DIV	Fully counter clock wise
COARSE	Counter clock wise
FINE	Counter clock wise
HOLDOFF	Fully counter clock wise
TRACE SEP	Fully counter clock wise
TRIGGERING H.MODE	A
TRIGGERING COUPLING	AC
TRIGGERING SOURCE	VERT MODE
TRIGGERING MODE	AUTO
TRIGGERING LEVEL	12 O'clock
SLOPE	⨍ ▮
MODE	CH1
B TRIG'D/AFT-DLY	AFT-DLY
X10 MAG	OFF
ADD	OFF
CH2 INV	OFF

Table 2

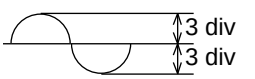
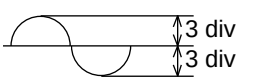
ADJUSTMENT

No.	Item	Adjustment	P.C.B.	Procedure
1	Operating voltage	VR4 VR306	X73-2210 X74-1620	V.MODE : CH1, CH2 AC-DC : GND (both CH) VOLTS : 10mV (both CH) H.MODE : X-Y R/O : OFF 1) Move the spot to the CRT center by operating the POSI controls. 2) Attach the multimeter probes across CN105-1 on 3 and 2 of X73-2210 and adjust VR4 to the voltage 100M 30.0/50M 33.5V. 3) Attach the multimeter probes across CN670-1 and GND of X74-1620 and adjust VR306 so that the voltage is 70V.
2	Focus center and ASTIG	VR308 VR102	X74-1620 X68-1920	V.MODE : CH1, CH2 AC-DC : GND (both CH) VOLTS : 10mV (both CH) H.MODE : X-Y 1) Move the spot to the CRT center by operating the POSI controls. 2) Adjust the spot to the best point with FOCUS on the panel and ASTIG (VR308) . 3) Set FOCUS on the panel to the 12:00 position and adjust VR102 to move the spot to the best point. ○ → • → ● best point
3	Intensity	VR101	X68-1920	V.MODE : CH1, CH2 AC-DC : GND (both CH) VOLTS : 10mV (both CH) H.MODE : X-Y 1) Set INTEN to the 10:00 position. 2) At the 10:00 position, adjust so that the spot disappears.
4	CH1 Step ATT Balance	VR101	X73-2180	V.MODE : CH1 AC-DC : GND (both CH) VOLTS : 5mV (both CH) H.MODE : A 1) Adjust so that the trance does not move when VOLTS is switched from 5mV to 2mV. * Adjust after switching to 2mV with reference to the 5mV position.
5	CH1 VARIABLE Balance	VR102	X73-2180	V.MODE : CH1 AC-DC : GND (both CH) VOLTS : 5mV (both CH) H.MODE : A Adjust by setting VARIABLE to the MIN (fully counterclockwise) position with reference to the MAX (CAL) position. * Ensure that the trace does not move when VARIABLE is switched between MIN⟷MAX.
6	CH2 Step ATT Balance	VR201	X73-2180	V.MODE : CH2 AC-DC : GND VOLTS : 5mV (both CH) H.MODE : A 1) Adjust so that the trance does not move when VOLTS is switched from 5mV to 2mV. * Adjust after switching to 2mV with reference to the 5mV position.
7	CH2 VARIABLE Balance	VR202	X73-2180	V.MODE : CH2 AC-DC : GND VOLTS : 5mV H.MODE : A Adjust by setting VARIABLE to the MIN (fully counterclockwise) position with reference to the MAX (CAL) position. * Ensure that the trace does not move when VARIABLE is switched between MIN⟷MAX.
8	CH2 INV Balance	VR205	X73-2180	V.MODE : CH2 AC-DC : GND VOLTS : 5mV H.MODE : A 1) Adjust so that the trance does not move when CH2 INV is switched ON-OFF. 2) Check CH2 STEP ATT BAL and VARI BAL and, if any is deviated, re-adjust following the adjustment procedure.

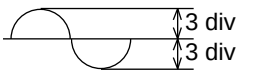
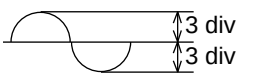
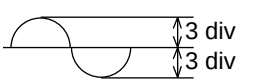
ADJUSTMENT

No.	Item	Adjustment	P.C.B.	Procedure
9	ADD POSI	VR371	X73-2180	V.MODE : CH1, ADD　AC-DC : GND VOLTS : 5mV (both CH)　H.MODE : A 1) Superimpose the two displayed traces by operating CH2 POSI. 2) Switch V.MODE CH2 ON. (After this, CH1, CH2 and ADD of V.MODE are ON.) 3) Superimpose the two displayed traces by operating CH1 POSI. 4) Adjust the trace to the center of scale. (The CRT seems to display a single trace but it actually consists of a superimposition of 3 traces.)
10	V. POSI Center Gain	CH1 : VR106 (Center) CH1 : VR502 (Gain) CH2 : VR206 (Center) CH2 : VR504 (Gain) CH3 : VR301 (Center)	X73-2180	V.MODE : CH1, CH2, CH3　AC-DC : GND VOLTS : 5mV　H.MODE : A 1) Set POSI of each CH to the 12:00 position. 2) Adjust the trace of each CH to the scale center.
11	CH1 Gain	VR1 (10mV) VR104 (1mV)	X73-2210 X73-2180	V.MODE : CH1　AC-DC : DC VOLTS : 10mV　H.MODE : A VARI : CAL 1) Input a 50mV square wave signal. (Use the pulse generator.) 2) Adjust so that the amplitude is 5 div. (10mV range) 3) Switch VOLTS to 1mV and input a 5mV square wave signal. 4) Adjust so that the amplitude is 5 div.(1mV range)
12	CH2 Gain	VR203 (10mV) VR204 (1mV)	X73-2180	V.MODE : CH2　AC-DC : DC VOLTS : 10mV　H.MODE : A VARI : CAL 1) Input a 50mV square wave signal. (Use the pulse generator.) 2) Adjust so that the amplitude is 5 div. (10mV range) 3) Switch VOLTS to 1mV and input a 5mV square wave signal. 4) Adjust so that the amplitude is 5 div.(1mV range)
13	CH3 Gain	VR302	X73-2180	V.MODE : CH3　H.MODE : A 1) Input a 0.5V square wave signal. 2) Adjust so that the amplitude is 5 div. (0.1V range)
14	CH1 Waveform Shaping	TC101 (0.1V) TC103 (1V)	X73-2180	V.MODE : CH1　VARI : CAL VOLTS : 10mV (ideal waveform)　H.MODE : A AC-DC : DC 1) Input a 1kHz square wave to the CH1 input. (6 div) 2) Adjust so that the waveforms at 0.1V and 1 V are flat.
15	CH2 Waveform Shaping	TC201 (0.1V) TC203 (1V)	X73-2180	V.MODE : CH2　VARI : CAL VOLTS : 10mV (ideal waveform)　H.MODE : A AC-DC : DC 1) Input a 1kHz square wave to the CH2 input. (6 div) 2) Adjust so that the waveforms at 0.1V and 1 V are flat.
16	CH3 Waveform Shaping	TC303 (0.1V) TC301 (0.5V)	X73-2180	V.MODE : CH3　H.MODE : A 1) Input a 1kHz square wave to the CH3 input and adjust so that the waveform is flat.

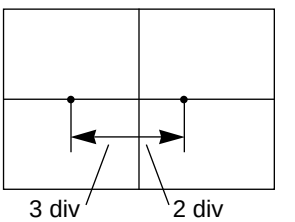
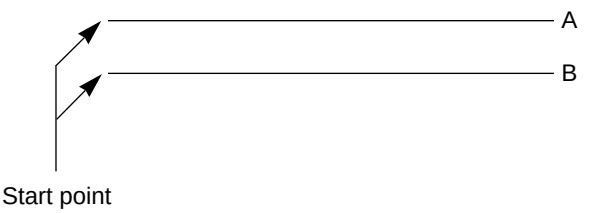
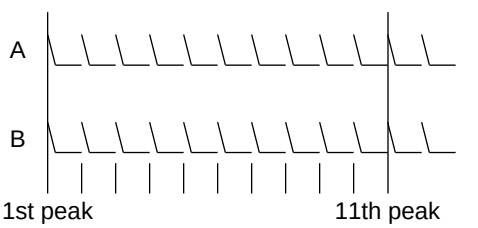
ADJUSTMENT

No.	Item	Adjustment	P.C.B.	Procedure
17	CH1 Input Capacity	TC102 (0.1V)	X73-2180	V.MODE : CH1 VARI : CAL VOLTS : 10mV (reference) H.MODE : A AC-DC : DC 1) Connect a capacity meter to the CH1 input. 2) Measure the capacity of the 10mV range. (20pF ± 3pF) 3) At 0.1V adjust to obtain the same values as 10mV.
18	CH2 Input Capacity	TC202 (0.1V)	X73-2180	V.MODE : CH2 VARI : CAL VOLTS : 10mV (reference) H.MODE : A AC-DC : DC 1) Connect a capacity meter to the CH2 input. 2) Measure the capacity of the 10mV range. (20pF ± 3pF) 3) At 0.1V adjust to obtain the same values as 10mV.
19	CH3 Input Capacity	TC302 (0.5V)	X73-2180	V.MODE : CH3 H.MODE : A 1) Connect a capacity meter to the CH3 input. 2) Measure the capacity of the 0.1V range. (20pF ± 3pF)
20	Cursor X-Gain and POSI	VR307 (Gain) VR401 (POSI)	X74-1620	V.MODE : CH1, CH2 AC-DC : GND (both CH) VOLTS : 10mV (both CH) A. SWEEP : 1ms R/O : ON (1/△T) H.MODE : A 1) Set the R/O display to 8.00 by operating the cursor POSI controls. 2) Adjust VR307 and VR401 so that the cursor interval is 8 div. 3) Maximize the cursor interval by operating the cursor POSI controls. 4) Adjust VR401 to make it uniform.
21	CH1 TRIG DC Coupling	VR107	X73-2180	V.MODE : CH1 AC-DC : DC TRIG MODE : AUTO VOLTS : 10mV COUPLING : DC SWEEP T : 0.2ms 1) Input 1kHz sine wave to CH1 and set it so that it extends by 3 div., above and below the scale center line. 2) Adjust TRIG LEVEL so that the waveform starts from the scale center line. 3) Switch COUPLING to DC and adjust so that the waveform starts from the scale center line. Align the start with the center. →  3 div 3 div
22	CH2 TRIG DC Coupling	VR207	X73-2180	V.MODE : CH2 AC-DC : DC TRIG MODE : AUTO VOLTS : 10mV COUPLING : DC SWEEP T : 0.2ms 1) Input 1kHz sine wave to CH2 and set it so that it extends by 3 div., above and below the scale center line. 2) Adjust TRIG LEVEL so that the waveform starts from the scale center line. 3) Switch COUPLING to DC and adjust so that the waveform starts from the scale center line. Align the start with the center. →  3 div 3 div

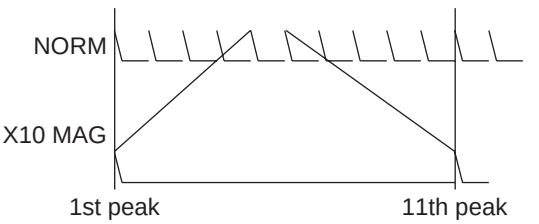
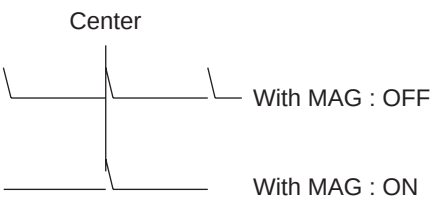
ADJUSTMENT

No.	Item	Adjustment	P.C.B.	Procedure
23	CH3 TRIG DC Coupling	VR303	X73-2180	V.MODE : CH3 SWEEP T : 0.2ms TRIG MODE : AUTO COUPLING : AC 1) Adjust TRIG LEVEL so that the waveform starts from the scale center line. 2) Set the trace to the scale center by operating V.POSI. 3) Input a 1kHz sine wave to CH1 and set it so that it extends by 3 div., above and below the scale center line. (As CH3 is fixed to DC, it may not be triggered at this time. But it can be triggered by adjustment.) 4) Switch COUPLING to DC and adjust so that the waveform starts from the scale center line. Align the start with the center. →  3 div 3 div
24	TRIG ADD	VR372	X73-2180	V.MODE : CH1, CH2 AC-DC : DC VOLTS : 0.1V TRIG MODE : AUTO SWEEP T : 0.2ms SOURCE : VERT COUPLING : AC 1) Set the traces of each CH to the scale center position by operating V.POSI. 2) Switch CH1 and CH2 to OFF and ADD to ON 3) Input 1kHz sine wave to CH1 and set it so that it extends by 3 div., above and below the scale center line. 4) Adjust TRIG LEVEL so that the waveform starts from the scale center line. 5) Switch COUPLING to DC and adjust so that the waveform starts from the scale center line.
25	FIX Level	VR2	X74-1620	V.MODE : CH1 AC-DC : DC TRIG MODE : FIX VOLTS : 0.1V SWEEP T : 0.2ms COUPLING : AC 1) Input 1kHz sine wave to CH1 and set it so that it extends by 3 div., above and below the scale center line. 2) Adjust so that the waveform starts from the scale center line when SLOPE is switched between +/-. 3) Set the amplitude to 1 div., switch SLOPE to + and -, and ensure that triggering is applied. (If it is not applied, re-adjust now.) Align the start with the center. →  3 div 3 div
26	TRIG Level	VR1	X74-1620	V.MODE : CH1 AC-DC : DC TRIG MODE : AUTO VOLTS : 0.1V SWEEP T : 0.2ms COUPLING : AC 1) Input 1kHz sine wave to CH1 and set it so that it extends by 3 div., above and below the scale center line. 2) Set TRIG LEVEL to the 12:00 position and adjust so that the waveform starts from the scale center line. Align the start with the center. →  3 div 3 div

ADJUSTMENT

No.	Item	Adjustment	P.C.B.	Procedure
27	DC Voltmeter	VR402	X74-1620	TRIG SOURCE : CH1 VOLTS : 10mV AC-DC : DC 1) Enter the voltmeter mode by means of a cursor switch. 2) Input DC 50mV to CH1. 3) Turn on GND once and then turn it off. Operate VR402 so that the measured DCV will be 49.5mV to 50.5mV.
28	X Gain	VR301	X74-1620	H.MODE : X-Y AC-DC : DC VOLTS : 10mV VARI : CAL 1) Input a 0.5V square wave signal to CH2. 2) Adjust so that the amplitude is 5 div. (10mV range) *Make the adjustment to 5 div., at the CRT center. 
29	A/B sweep start points	VR307	X74-1620	V.MODE : CH1 SWEEP TIME : A→1ms, B→0.1ms AC-DC : GND 1) Adjust the SWEEP LENGTH by means of VR307 so that 1 ms/div will be 11.5 div. 
30	A, B SWEEP TIME 1 ms	VR101 (A, SWEEP) VR102 (B, SWEEP)	X74-1620	SWEEP TIME : A, B→1ms DTM : MIN (fully counterclockwise) H.MODE : ALT 1) Input a 1ms marker signal. 2) Adjust so that the marker peak and scale coincides at every div. 

ADJUSTMENT

No.	Item	Adjustment	P.C.B.	Procedure
31	MAG GAIN	VR305	X74-1620	SWEEP TIME : A→1ms H.MODE : A AC-DC : DC 1) Input a 1ms marker signal. 2) Adjust H. POSI so that the marker peak and scale coincides at every div. 3) Switch X10 MAG ON and adjust so that the interval between two peaks is 10 div 
32	MAG Center	VR304	X74-1620	SWEEP TIME : A→1ms H.MODE : A AC-DC : DC. 1) Input a 5ms marker signal. 2) Adjust H. POSI so that the center peak is aligned with the scale center. 3) Switch X10 MAG ON and adjust so that the center marker peaks is aligned with the scale center. (Adjust by repeating a few times.) 4) After the adjustment, switch MAG between ON-OFF and ensure that the center marker peak does not move. 
33	H.POSITION X-POSITION	VR303 (H.POSI) VR302 (X-POSI)	X74-1620	SWEEP TIME : A→1ms H.MODE : A 1) Set the AC-DC switch to GND. (The marker signal can be left input.) 2) Set H.POSI to the 12:00 position. 3) Adjust VR303 so that the trace start point is aligned with the left end of scale. 4) Set H.MODE to X-Y. 5) Adjust VR302 so that the spot comes on the scale center.
34	A, B SWEEP TIME 10µs	VR107 (A, SWEEP) VR108 (B, SWEEP)	X74-1620	SWEEP TIME : A, B→10µs H.MODE : ALT DTM : MIN (fully counterclockwise) 1) Input a 10µs marker signal. 2) Adjust so that the marker peak and scale coincides at every div.
35	A, B SWEEP TIME 0.2µs	TC101 (A, SWEEP) TC102 (B, SWEEP)	X74-1620	SWEEP TIME : A→0.2µs H.MODE : ALT DTM : MIN (fully counterclockwise) B.SWEEP : TC102 1) Input a 0.2µs marker signal. 2) Adjust so that the marker peak and scale coincides at every div.
36	A, SWEEP TIME 0.05µs	TC301 (A, SWEEP)	X74-1620	SWEEP TIME : A, B→0.1µs H.MODE : ALT DTM : MIN (fully counterclockwise) 1) Input a 0.05µs marker signal. 2) Adjust so that the marker peak and scale coincides at every div.

ADJUSTMENT

No.	Item	Adjustment	P.C.B.	Procedure
37	D.T.POSI	VR103 (Start) VR104 (Stop)	X74-1620	H.MODE : ALT　AC-DC : GND SWEEP TIME : 1ms　B.SWEEP TIME : 10µs 1) Turn the MAIN and FINE potentiometer of D.T.M. control fully counter-clockwise. 2) Adjust VR103 so that the start of B sweep is aligned with 0.2 div., of the scale. 3) Turn the MAIN and FINE potentiometer of D.T.M. control fully clock-wise. 4) Adjust VR104 so that the start of B sweep is aligned with 10:00 div., of the scale.
38	CH1 1MHz square wave	TC1 TC62 TC106	X73-2210 X73-2180	V.MODE : CH1　VOLTS : 10mV AC-DC : DC　H.MODE : A 1) Input 1MHz square wave to CH1 and set its amplitude to 6 div. 2) Adjust the waveform to the best point.
39	CH2 1MHz square wave	TC205 TC206	X73-2180	V.MODE : CH2　VOLTS : 10mV AC-DC : DC　H.MODE : A 1) Input 1MHz sine wave to CH1 and set its amplitude to 6 div. 2) Adjust the waveform to the best point. 3) Check that the overshoot in each range from 5mV to 0.1V is within the specification.
40	CH3 1MHz square wave	TC305	X73-2180	V.MODE : CH3　H.MODE : A 1) Input a 1MHz square wave to CH3 and set its amplitude to 6 div. 2) Adjust the waveform to the best point.
41	CAL voltage	VR51	X68-1920	V.MODE : CH1　AC-DC : GND VOLTS : 10mV　H.MODE : A 1) Set the multimeter at ACV. 2) Measure the CAL terminal voltage by means of the multimeter. 3) Set the voltage at 496mV by means of VR51.

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Ref. No	Address	Parts No.	Description
		CS-5355 (Y70-2240-00)	
1		A01-4046-02	CASE;BOTTOM
2		A01-4068-02	CASE;TOP
3		A13-2229-12	FRAME;LEFT
4		A13-2245-02	FRAME;RIGHT
5		A13-2246-02	FRAME;CENTER
6		A22-1307-02	SUB PANEL
		A63-0244-03	PANEL ASS'Y
7		A21-2469-03	DECORATIVE PANEL
		A21-2470-03	DRESSING PANEL
8		A21-2471-04	DECORATIVE PANEL
		A21-2472-04	DRESSING PANEL
9		A63-0110-01	PANEL
10		A63-0247-02	PANEL
11		B73-0191-04	NAME PLATE;MODEL NO.
12		A83-0120-02	REAR PANEL
13		B11-0518-04	FILTER
		B41-0710-14	LABEL
		B41-2083-04	CAUTION LABEL
		B63-0317-00	INSTRUCTION MANUAL; JAPANESE
		B63-0318-00	INSTRUCTION MANUAL; ENGLISH
14		D21-0935-04	EXTENSION SHAFT
15		E21-0686-04	TERMINAL;CAL
16		E23-0552-04	GROUND TERMINAL
		E30-1950-05	JIS POWER CORD
		E30-1951-05	UL/CSA POWER CORD
		E30-1952-05	CEE POWER CORD
		E30-1953-05	SAA POWER CORD
		E30-1963-15	BS POWER CORD ASS'Y
17		E68-0619-05	AC INLET
		F05-4016-05	FUSE(5*20)
		F06-1022-05	FUSE(5*20)
18		F11-1269-03	SHIELD CASE
19		F11-1206-13	CRT SHIELD
20		F15-0733-04	FELT
21		F20-3013-03	INSULATOR
23		F29-0528-05	INSURATING TUBU
		G16-0618-04	SHEET
		H10-2888-02	FOAMED STYREN PAD; FRONT
		H10-2889-02	FOAMED STYREN PAD; REAR
		H20-1727-04	VINYL COVER
		H53-0246-03	CARTON BOX
24		J02-0540-05	RUBBER FOOT
25		J21-4853-04	BRACKET
26		J21-4855-14	BRACKET
27		J21-4999-04	BRACKET
28		J42-0558-05	BUSHING
29		J59-0403-05	NYLON RIVET
30		K01-0561-02	HANDLE
31		K21-0940-04	KNOB
32		K21-0955-04	KNOB
33		K24-3005-04	PUSH KNOB
34		K27-0590-04	PUSH KNOB
35		K27-3618-14	KNOB;LEVER

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36		K29-0877-04	KNOB
37		K29-0890-03	KNOB
38		K29-0891-04	KNOB
39		L07-1541-05	POWER TRANSFORMER
40		L39-0531-05	ROTATION COIL
41		J19-1653-23	HOLDER
42		S68-0655-05	PUSH SWITCH
		W01-0406-14	DRIVER
43		W01-0503-04	CORD WRAP
44		150JKM31	CRT
		LN322GP	LED; GREEN
		W03-2434-05	PROBE
45		X66-1560-00	PANEL UNIT
46		X68-1920-01	POWER SUPPLY UNIT
47		X73-2180-01	PRE AMP UNIT
48		X73-2210-01	FINAL UNIT
49		X74-1620-01	HORIZONTAL UNIT
50		X81-3270-00	PROTECTION UNIT

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		CS-5375 (Y70-2220-00)	
1		A01-4046-02	CASE;BOTTOM
2		A01-4068-02	CASE;TOP
3		A13-2229-12	FRAME;LEFT
4		A13-2245-02	FRAME;RIGHT
5		A13-2246-02	FRAME;CENTER
6		A22-1307-02	SUB PANEL
		A63-0242-03	PANEL ASS'Y
7		A21-2469-03	DECORATIVE PANEL
8		A21-2471-04	DECORATIVE PANEL
9		A63-0110-01	PANEL
10		A63-0247-02	MOLD PANEL; SMALL
11		B73-0189-04	NAME PLATE;MODEL NO.
12		A83-0120-02	REAR PANEL
13		B11-0518-04	FILTER
		B41-0710-14	LABEL
		B41-2083-04	CAUTION LABEL
		B42-3820-05	LABEL
		B63-0317-00	INSTRUCTION MANUAL; JAPANESE
		B63-0318-00	INSTRUCTION MANUAL; ENGLISH
14		D21-0935-04	EXTENSION SHAFT
15		E21-0686-04	TERMINAL;CAL
16		E23-0552-04	GROUND TERMINAL
		E30-1950-05	JIS POWER CORD
		E30-1951-05	UL/CSA POWER CORD
		E30-1952-05	CEE POWER CORD
		E30-1953-05	SAA POWER CORD
		E30-1963-15	BS POWER CORD ASS'Y
		E38-0979-25	LEAD WIRE WITH CONNECTOR
17		E68-0619-05	AC INLET
		F05-4016-05	FUSE(5*20)
		F06-1022-05	FUSE(5*20)
18		F11-1269-03	SHIELD CASE
19		F11-1206-13	CRT SHIELD
20		F15-0733-04	FELT
21		F20-3013-03	INSULATOR
23		F29-0528-05	INSURATING TUBU
		G16-0618-04	SHEET
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		H10-2889-02	FOAMED STYREN PAD; REAR
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		H53-0244-03	CARTON BOX
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25		J21-4853-04	BRACKET;
26		J21-4855-14	BRACKET;
27		J21-4999-04	BRACKET;
28		J42-0558-05	BUSHING
29		J59-0403-05	NYLON RIVET
30		K01-0561-02	HANDLE
31		K21-0940-04	KNOB
32		K21-0955-04	KNOB
33		K24-3005-04	PUSH KNOB
34		K27-0590-04	PUSH KNOB
35		K27-3618-14	KNOB;LEVER

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36		K29-0877-04	KNOB
37		K29-0890-03	KNOB
38		K29-0891-04	KNOB
39		L07-1541-05	POWER TRANSFORMER
40		L39-0531-05	ROTATION COIL
41		J19-1653-23	HOLDER
42		S68-0655-05	PUSH SWITCH
		W01-0406-14	DRIVER
43		W01-0503-04	CORD WRAP
44		150JKM31	CRT
		LN322GP	LED; GREEN
45		X66-1560-00	PANEL UNIT
46		X68-1920-01	POWER SUPPLY UNIT
47		X73-2180-01	PRE AMP UNIT
48		X73-2210-03	FINAL UNIT
49		X74-1620-03	HORIZONTAL UNIT
50		X81-3270-00	PROTECTION UNIT

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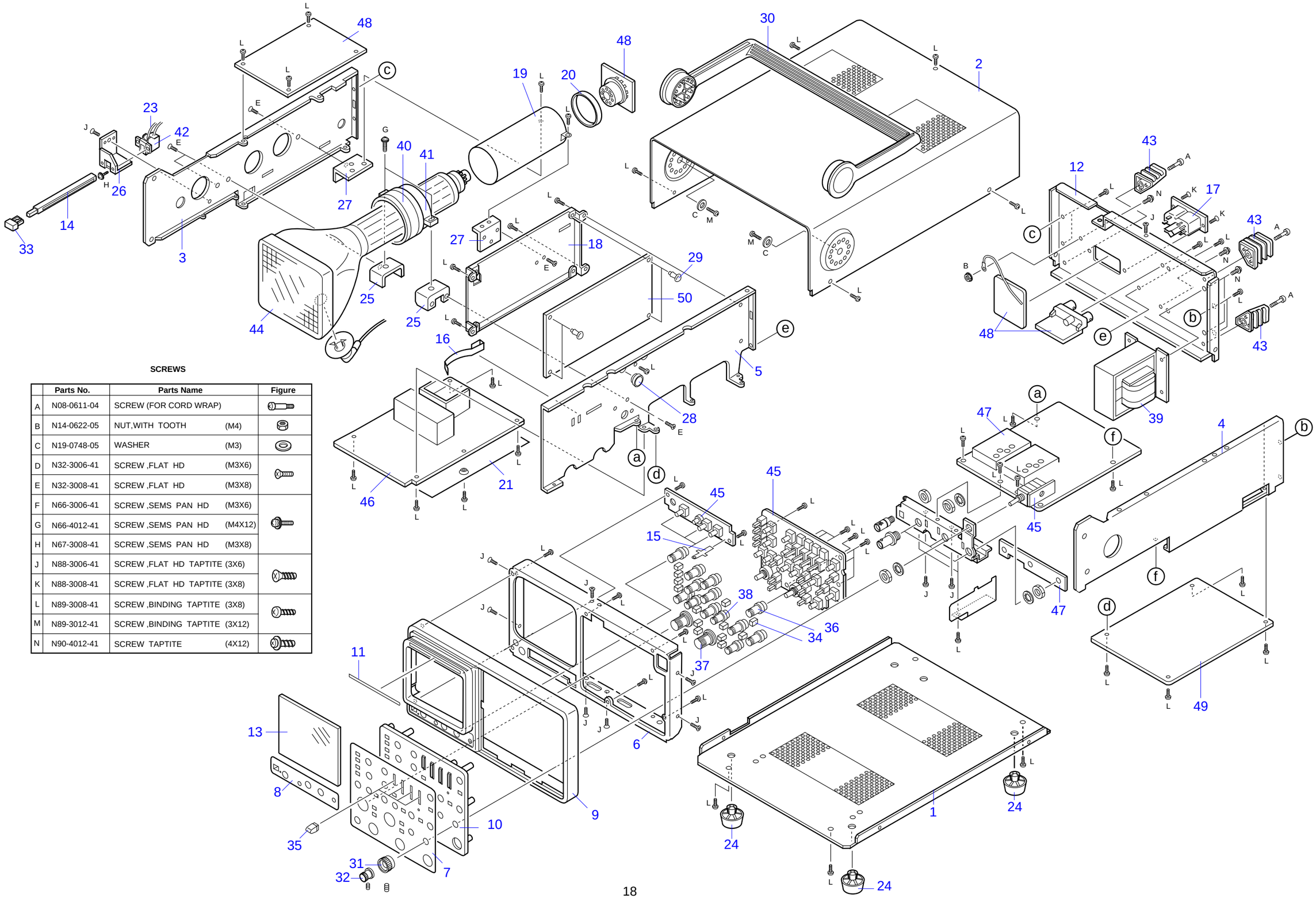
DISASSEMBLY



SCREWS

	Parts No.	Parts Name		Figure
A	N08-0611-04	SCREW (FOR CORD WRAP)		
B	N14-0622-05	NUT,WITH TOOTH	(M4)	
C	N19-0748-05	WASHER	(M3)	
D	N32-3006-41	SCREW ,FLAT HD	(M3X6)	
E	N32-3008-41	SCREW ,FLAT HD	(M3X8)	
F	N66-3006-41	SCREW ,SEMS PAN HD	(M3X6)	
G	N66-4012-41	SCREW ,SEMS PAN HD	(M4X12)	
H	N67-3008-41	SCREW ,SEMS PAN HD	(M3X8)	
J	N88-3006-41	SCREW ,FLAT HD TAPTITE	(3X6)	
K	N88-3008-41	SCREW ,FLAT HD TAPTITE	(3X8)	
L	N89-3008-41	SCREW ,BINDING TAPTITE	(3X8)	
M	N89-3012-41	SCREW ,BINDING TAPTITE	(3X12)	
N	N90-4012-41	SCREW TAPTITE	(4X12)	

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Ref. No	Address	Parts No.	Description			
PANEL UNIT(X66-1560-00)						
		J73-0470-12	PCB(UNMOUNTED)			
		A33-0505-04	REFLECTING PLATE			
C1		CE04CW1A221M	CAP. ELECTRO	220U	M	10V
C2		CE04CW1E101M	CAP. ELECTRO	100U	M	25V
C3		CE04CW1E101M	CAP. ELECTRO	100U	M	25V
C4		C91-0769-05	CAP.CERAMIC	0.01U	-	16V
CN11		E40-5218-05	PIN CONNECTOR 10P			
CN25		E40-5220-05	PIN CONNECTOR 12P			
CN26		E40-7579-05	PIN CONNECTOR			
CN32		E40-0218-05	PIN CONNECTOR 2P			
CN101		E40-0218-05	PIN CONNECTOR			
CP1		R90-1182-05	RES. MULTIPLE	-	-	-
CP2		R90-1182-05	RES. MULTIPLE	-	-	-
CP3		R90-1182-05	RES. MULTIPLE	-	-	-
CP4		R90-1182-05	RES. MULTIPLE	-	-	-
CP5		R90-0644-05	RES. MULTIPLE	4.7K	-	1/8W
CP6		R90-0644-05	RES. MULTIPLE	4.7K	-	1/8W
IC1		NJM4558L	IC, DUAL OP AMP			
PL101		B30-3016-05	LAMP			
PL102		B30-3016-05	LAMP			
PL103		B30-3016-05	LAMP			
Q3		2SA933AS(R,S)	TR.SI, PNP			
Q101		2SC1740S(R,S)	TR.SI, NPN			
Q102		2SC1740S(R,S)	TR.SI, NPN			
R5		RN14BK2C1002D	RES. METAL FILM	10K	D	1/6W
R6		RN14BK2C2002D	RES. METAL FILM	20K	D	1/6W
R8		RD14BB2C101J	RES. CARBON	100	J	1/6W
R9		RN14BK2C2203F	RES. METAL FILM	220K	F	1/6W
R10		RN14BK2C2202F	RES. METAL FILM	22K	F	1/6W
R11		RN14BK2C2002D	RES. METAL FILM	20K	D	1/6W
R12		RN14BK2C2002D	RES. METAL FILM	20K	D	1/6W
R13		RD14BB2C361J	RES. CARBON	360	J	1/6W
R14		RN14BK2C1962D	RES. METAL FILM	.6K	D	1/6W
R16		RD14BB2C101J	RES. CARBON	100	J	1/6W
R17		RD14BB2C101J	RES. CARBON	100	J	1/6W
R18		RD14BB2C101J	RES. CARBON	100	J	1/6W
R19		RD14BB2C101J	RES. CARBON	100	J	1/6W
R21		RD14BB2C101J	RES. CARBON	100	J	1/6W
R22		RD14BB2C101J	RES. CARBON	100	J	1/6W
R23		RD14BB2C101J	RES. CARBON	100	J	1/6W
R25		RD14BB2C101J	RES. CARBON	100	J	1/6W
R27		RD14BB2C101J	RES. CARBON	100	J	1/6W
R28		RD14BB2C101J	RES. CARBON	100	J	1/6W
R29		RD14BB2C101J	RES. CARBON	100	J	1/6W
R30		RD14BB2C472J	RES. CARBON	4.7K	J	1/6W
R31		RD14BB2C101J	RES. CARBON	100	J	1/6W
R33		RD14BB2C101J	RES. CARBON	100	J	1/6W
R34		RD14BB2C101J	RES. CARBON	100	J	1/6W
R35		RD14BB2C101J	RES. CARBON	100	J	1/6W
R36		RD14BB2C101J	RES. CARBON	100	J	1/6W
R37		RD14BB2C101J	RES. CARBON	100	J	1/6W
R38		RD14BB2C102J	RES. CARBON	1K	J	1/6W
R39		RD14BB2C102J	RES. CARBON	1K	J	1/6W
R40		RD14BB2C222J	RES. CARBON	2.2K	J	1/6W
R46		RD14BB2C153J	RES. CARBON	15K	J	1/6W

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R47		RD14BB2C153J	RES. CARBON	15K	J	1/6W
R48		RD14BB2C153J	RES. CARBON	15K	J	1/6W
R49		RD14BB2C153J	RES. CARBON	15K	J	1/6W
R50		RD14BB2C122J	RES. CARBON	1.2K	J	1/6W
R51		RD14BB2C101J	RES. CARBON	100	J	1/6W
R52		RD14BB2C101J	RES. CARBON	100	J	1/6W
R105		RD14BB2C333J	RES. CARBON	33K	J	1/6W
R107		RD14BB2C102J	RES. CARBON	1K	J	1/6W
R113		RD14BB2C102J	RES. CARBON	1K	J	1/6W
R116		RD14BB2C182J	RES. CARBON	1.8K	J	1/6W
R118		RD14BB2C163J	RES. CARBON	16K	J	1/6W
R119		RD14BB2C123J	RES. CARBON	12K	J	1/6W
R120		RD14BB2C222J	RES. CARBON	2.2K	J	1/6W
S1		S68-0643-05	PUSH SWITCH			
S2		S68-0643-05	PUSH SWITCH			
S3		S68-0643-05	PUSH SWITCH			
S4		S68-0643-05	PUSH SWITCH			
S5		S68-0643-05	PUSH SWITCH			
S6		S68-0643-05	PUSH SWITCH			
S7		S64-0610-05	LEVER SWITCH			
S8		S64-0610-05	LEVER SWITCH			
S9		S64-0611-05	LEVER SWITCH			
S10		S64-0609-05	LEVER SWITCH			
S12		S68-0643-05	PUSH SWITCH			
S13		S68-0643-05	PUSH SWITCH			
S14		S68-0643-05	PUSH SWITCH			
S15		S60-0618-05	ROTARY SWITCH			
S16		S60-0618-05	ROTARY SWITCH			
S17		S68-0643-05	PUSH SWITCH			
S18		S68-0643-05	PUSH SWITCH			
S19		S68-0643-05	PUSH SWITCH			
S20		S68-0643-05	PUSH SWITCH			
S21		S60-0627-05	ROTARY SWITCH			
VR1		R05-3521-05	VARIABLE RESISTOR	20K	-	0.15W
VR2		R05-3521-05	VARIABLE RESISTOR	20K	-	0.15W
VR3		R05-3521-05	VARIABLE RESISTOR	20K	-	0.15W
VR4		R05-3521-05	VARIABLE RESISTOR	20K	-	0.15W
VR5		R05-3521-05	VARIABLE RESISTOR	20K	-	0.15W
VR6		R05-3527-05	VARIABLE RESISTOR	-	-	-
VR7		R05-3521-05	VARIABLE RESISTOR	20K	-	0.15W
VR8		R05-3527-05	VARIABLE RESISTOR	-	-	-
VR9		R05-3527-05	VARIABLE RESISTOR	-	-	-
VR10		R05-3523-05	VARIABLE RESISTOR	10K	-	0.15W
VR11		R05-3523-05	VARIABLE RESISTOR	10K	-	0.15W
VR12		R05-3523-05	VARIABLE RESISTOR	10K	-	0.15W
VR101		R05-3521-05	VARIABLE RESISTOR	20K	-	0.15W
VR102		R05-3521-05	VARIABLE RESISTOR	20K	-	0.15W
VR104		R12-5540-05	RES. SEMI FIXED	100K	-	0.5W
VR105		R05-3521-05	VARIABLE RESISTOR	20K	-	0.15W

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POWER & HIGHVOLTAGE UNIT(X68-1920-01)					
		J73-0471-02	PCB(UNMOUNTED)		
		E23-0557-14	EARTH LUG		
		E23-1520-05	GROUND TERMINAL		
		E31-2170-05	JMPING WIRE		
		F01-0867-05	HEAT SINK		
		F01-2316-05	HEAT SINK		
		N09-0623-04	SEMS SCREW (M3X8)		
A101		W02-2256-05	HIGH VOITAGE BLOCK		
C1		CE04EW2E470M	CAP. ELECTRO 47U	M	250 V
C2		CE04EW2E100M	CAP. ELECTRO 10U	M	250 V
C3		CK45FB1H102K	CAP. CERAMIC 1000P	K	50 V
C4		CE04EW2A471M	CAP. ELECTRO 470U	M	100 V
C5		CE04LW2A220M	CAP. ELECTRO 22U	M	100 V
C6		CK45FB1H222K	CAP. CERAMIC 2200P	K	50 V
C7		CE04EW1E472M	CAP. ELECTRO 4700U	M	25 V
C8		CE04LW1C221M	CAP. ELECTRO 220U	M	16 V
C9		CE04LW1C221M	CAP. ELECTRO 220U	M	16 V
C10		CE04EW1E472M	CAP. ELECTRO 4700U	M	25 V
C11		CE04LW1C221M	CAP. ELECTRO 220U	M	16 V
C12		CE04LW1C221M	CAP. ELECTRO 220U	M	16 V
C13		CE04HW1H010M	CAP. ELECTRO 1U	M	50 V
C14		CE04HW1H010M	CAP. ELECTRO 1U	M	50 V
C15		CE04EW1A103M	CAP. ELECTRO 10000U	M	10 V
C16		CE04LW0J471M	CAP. ELECTRO 470U	M	6.3 V
C17		CE04LW0J331M	CAP. ELECTRO 330U	M	6.3 V
C18		CE04LW1E220M	CAP. ELECTRO 22U	M	25 V
C51		C91-1361-05	CAP. FILM 0.01U	-	100 V
C52		C91-0769-05	CAP.CERAMIC 0.01U	-	16 V
C53		CE04LW1C470M	CAP. ELECTRO 47U	M	16 V
C101		CK45FB2H472K	CAP. CERAMIC 4700P	K	500 V
C102		CE04LW2E010M	CAP. ELECTRO 1U	M	250 V
C103		CC45FCH2H020C	CAP. CERAMIC 2P	C	500 V
C104		CK45FB2H472K	CAP.CERAMIC 4700P	K	500 V
C105		CE04LW2E010M	CAP. ELECTRO 1U	M	250 V
C106		CE04LW2E010M	CAP. ELECTRO 1U	M	250 V
C107		C91-1317-05	CAP.CERAMIC 0.01U	-	2000 V
C108		C91-1317-05	CAP.CERAMIC 0.01U	-	2000 V
C110		C91-1317-05	CAP.CERAMIC 0.01U	-	2000 V
C111		C91-1317-05	CAP.CERAMIC 0.01U	-	2000 V
C112		C91-1317-05	CAP.CERAMIC 0.01U	-	2000 V
C113		CE04LW2E010M	CAP. ELECTRO 1U	M	250 V
C114		CC45FCH2H101J	CAP. CERAMIC 100P	J	500 V
C115		CK45FB2H102K	CAP. CERAMIC 1000P	K	500 V
C116		CK45FB2H102K	CAP.CERAMIC 1000P	K	500 V
C117		CE04LW1H101M	CAP. ELECTRO 100U	M	50 V
C118		CE04LW1E221M	CAP. ELECTRO 220U	M	25 V
C119		CK45FB1H472K	CAP. CERAMIC 4700P	K	50 V
C120		CK45FB1H222K	CAP.CERAMIC 2200P	K	50 V
C121		CK45E3D102P	CAP. CERAMIC 1000P	P	2000 V
C125		C91-2663-05	KOUTAIATUKONDENSA 4700P	-	2000 V
C126		CE04EW1E102M	CAP. ELECTRO 1000U	M	25 V
C127		CE04EW1E102M	CAP. ELECTRO 1000U	M	25 V
C128		CK45FB2H472K	CAP.CERAMIC 4700P	K	500 V
CN6		E40-3239-05	PIN CONNECTOR 4P		
CN16		E40-7040-05	PIN CONNECTOR 13P		

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Ref. No	Address	Parts No.	Description		
CN17		E40-3305-05	PIN CONNECTOR 8P		
CN31		E40-3302-05	PIN CONNECTOR 5P		
CN32		E40-3299-05	PIN CONNECTOR 2P		
CN99		E40-0211-05	PIN CONNECTOR 2P		
D1		S1VB60	DIODE,BRIDGE		
D2		S1VB60	DIODE,BRIDGE		
D3		S4VB20F	DIODE,BRIDGE		
D4		D4SBS6	DIODE		
D5		1SS133	DIODE		
D6		1SS133	DIODE		
D7		MTZ13JC	DIODE,ZENER		
D8		MTZ13JC	DIODE,ZENER		
D9		MTZ7.5JA	DIODE,ZENER		
D51		1SS133	DIODE		
D52		1SS133	DIODE		
D101		1SS83	DIODE		
D102		1SS83	DIODE		
D103		1SS83	DIODE		
D104		1SS83	DIODE		
D105		1SS83	DIODE		
D106		1SS83	DIODE		
D107		1SS83	DIODE		
D108		1SS83	DIODE		
D109		1SS133	DIODE		
D110		1SS133	DIODE		
D111		1SS133	DIODE		
F101		F53-0107-05	THERMAL FUSE		
IC1		KMA02	HIC		
IC51		NJM4558D	IC, DUAL OP AMP		
IC101		NJM4558D	IC, DUAL OP AMP		
L101		L40-1011-50	FERRI INDUCTOR		
L102		L40-1011-50	FERRI INDUCTOR		
L103		L40-3925-51	FERRI INDUCTOR 100U		
L104		L33-0842-05	FERRI INDUCTOR 3.9M		
NL51		RA-201P-V6-2A	LEON LAMP		
NL101		RA-201P-V6-2A	LEON LAMP		
NL102		RA-201P-V6-2A	LEON LAMP		
Q1		2SA1499(P)	TR.SI, PNP		
Q2		2SC2551(O)	TR.SI, PNP		
Q3		2SA1304	TR.SI, PNP		
Q4		2SC2551(O)	TR.SI, PNP		
Q5		2SB1015(Y)	TR.SI, PNP		
Q6		2SD1406(Y)	TR.SI, PNP		
Q7		2SB1015(Y)	TR.SI, PNP		
Q51		2SA720A(R)	TR.SI, PNP		
Q52		2SC1318A(R)	TR.SI, PNP		
Q101		2SA933S(R,S)	TR.SI, PNP		
Q102		2SA1208(S)	TR.SI, PNP		
Q103		2SC2910(S)	TR.SI, PNP		
Q104		2SA1208(S)	TR.SI, PNP		
Q105		2SC2910(S)	TR.SI, PNP		
Q106		2SC2551(O)	TR.SI, PNP		
Q107		2SD613(E)	TR.SI, PNP		
Q108		2SA933S(R,S)	TR.SI, PNP		
R1		R92-2718-05	RESISTOR 2.7K	-	3 W

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R2		RD14BB2C103J	RES. CARBON	10K	J	1/6 W
R3		RD14BB2C102J	RES. CARBON	1K	J	1/6 W
R4		R92-2719-05	RESISTOR	390	-	3 W
R6		RD14BB2C103J	RES. CARBON	10K	J	1/6 W
R7		RD14BB2C102J	RES. CARBON	1K	J	1/6 W
R9		R92-2721-05	RESISTOR	24	-	3 W
R12		R92-2721-05	RESISTOR	24	-	3 W
R14		RD14BB2C223J	RES. CARBON	22K	J	1/6 W
R15		RD14BB2C152J	RES. CARBON	1.5K	J	1/6 W
R51		RN14BK2C5102F	RES. METAL FILM	51K	F	1/6 W
R52		RN14BK2C3902F	RES. METAL FILM	39K	F	1/6 W
R53		RN14BK2C3902F	RES. METAL FILM	39K	F	1/6 W
R54		RD14BB2C472J	RES. CARBON	4.7K	J	1/6 W
R55		RN14BK2C6800F	RES. METAL FILM	680	F	1/6 W
R56		RN14BK2C4702F	RES. METAL FILM	47K	F	1/6 W
R57		RD14BB2C473J	RES. CARBON	47K	J	1/6 W
R58		RD14BB2C101J	RES. CARBON	100	J	1/6 W
R59		RN14BK2C6201F	RES. METAL FILM	6.2K	F	1/6 W
R60		RD14BB2C183J	RES. CARBON	18K	J	1/6 W
R62		RD14BB2C101J	RES. CARBON	100	J	1/6 W
R63		RD14BB2E102J	RES. CARBON	1K	J	1/4 W
R101		RD14BB2C100J	RES. CARBON	10	J	1/6 W
R102		RD14BB2C103J	RES. CARBON	10K	J	1/6 W
R103		RD14BB2C134J	RES. CARBON	130K	J	1/6 W
R104		RD14BB2C472J	RES. CARBON	4.7K	J	1/6 W
R105		RD14BB2C101J	RES. CARBON	100	J	1/6 W
R107		RD14BB2C562J	RES. CARBON	5.6K	J	1/6 W
R108		RD14BB2C134J	RES. CARBON	130K	J	1/6 W
R109		RD14BB2C152J	RES. CARBON	1.5K	J	1/6 W
R110		RD14BB2C104J	RES. CARBON	100K	J	1/6 W
R111		RD14BB2C753J	RES. CARBON	75K	J	1/6 W
R112		RD14BB2C103J	RES. CARBON	10K	J	1/6 W
R113		RD14BB2C562J	RES. CARBON	5.6K	J	1/6 W
R114		RD14BB2C134J	RES. CARBON	130K	J	1/6 W
R115		RD14BB2C152J	RES. CARBON	1.5K	J	1/6 W
R116		RD14BB2C470J	RES. CARBON	47	J	1/6 W
R117		RD14BB2C204J	RES. CARBON	200K	J	1/6 W
R118		RD14BB2C103J	RES. CARBON	10K	J	1/6 W
R119		RD14BB2E515J	RES. CARBON	5.1M	J	1/4 W
R120		RD14BB2C470J	RES. CARBON	47	J	1/6 W
R121		RD14BB2E515J	RES. CARBON	5.1M	J	1/4 W
R122		RD14BB2C683J	RES. CARBON	68K	J	1/6 W
R123		RD14BB2C474J	RES. CARBON	470K	J	1/6 W
R124		RD14BB2C101J	RES. CARBON	100	J	1/6 W
R125		R92-1561-05	RESISTOR	3.9M	-	1/4 W
R126		R92-1562-05	RESISTOR	8.2M	-	1/4 W
R127		RD14BB2C474J	RES. CARBON	470K	J	1/6 W
R128		RD14BB2C474J	RES. CARBON	470K	J	1/6 W
R129		RD14BB2C222J	RES. CARBON	2.2K	J	1/6 W
R130		RD14BB2C221J	RES. CARBON	220	J	1/6 W
R131		RD14BB2C392J	RES. CARBON	3.9K	J	1/6 W
R132		RD14BB2C153J	RES. CARBON	15K	J	1/6 W
R133		RD14BB2C102J	RES. CARBON	1K	J	1/6 W
R134		RD14BB2C124J	RES. CARBON	120K	J	1/6 W
R135		RN14BK2C1203F	RES. METAL FILM	120K	F	1/6 W

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R136		R92-1564-05	RESISTOR	15M	-	1/2 W
R138		RD14BB2C473J	RES. CARBON	47K	J	1/6 W
R140		RD14BB2C3R9J	RES. CARBON	3.9	J	1/6 W
VR51		R12-1858-05	RES. SEMI FIXED	2.2K	-	
VR101		R12-6507-05	RES. SEMI FIXED	470K	-	
VR102		R12-5545-05	RES. SEMI FIXED	2.2M	-	

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VERTICAL UNIT(X73-2180-01)						
		J73-0510-02	PCB(UNMOUNTED)			
		E21-0804-05	TERMINAL			
		F01-2318-04	HEAT SINK			
		F10-2524-04	SHIELD PLATE			
		F10-2538-04	SHIELD PLATE			
		F29-0536-04	INSULATING WASHER			
		A22-1328-03	SUB PANEL			
		J30-0623-04	SPACER			
		N89-3008-41	SCREW,BINDING TAPTITE (3X8)			
C2		CC73FCH1H101J	CAP. CHIP (2X1.25)	100P	J	50 V
C3		CC73FCH1H101J	CAP. CHIP (2X1.25)	100P	J	50 V
C4		CC73FCH1H101J	CAP. CHIP (2X1.25)	100P	J	50 V
C52		CE04LW1A101M	CAP. ELECTRO	100U	M	10 V
C53		CK73FB1E104K	CAP. CHIP (2X1.25)	0.1U	K	25 V
C54		CK73FB1E104K	CAP. CHIP (2X1.25)	0.1U	K	25 V
C55		CE04LW1C470M	CAP. ELECTRO	47U	M	16 V
C56		CE04LW1C101M	CAP. ELECTRO	100U	M	16 V
C57		CK73FF1E104Z	CAP. CHIP (2X1.25)	0.1U	Z	25 V
C58		CK73FB1E104K	CAP. CHIP (2X1.25)	0.1U	K	25 V
C59		CE04LW1A101M	CAP. ELECTRO	100U	M	10 V
C91		CK73FF1E104Z	CAP. CHIP (2X1.25)	0.1U	Z	25 V
C92		CK73FF1E104Z	CAP. CHIP (2X1.25)	0.1U	Z	25 V
C93		CK73FF1E104Z	CAP. CHIP (2X1.25)	0.1U	Z	25 V
C94		CK73FF1E104Z	CAP. CHIP (2X1.25)	0.1U	Z	25 V
C101		C91-2674-05	CAP. FILM	0.047U	-	630 V
C102		CC73FCH1H270J	CAP. CHIP (2X1.25)	27P	J	50 V
C103		CC73FCH1H270J	CAP. CHIP (2X1.25)	27P	J	50 V
C104		C91-2579-05	CAP. FILM	0.01U	-	400 V
C105		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C106		CC73FCH1H030C	CAP. CHIP (2X1.25)	3P	C	50 V
C107		CC73FCH1H331J	CAP. CHIP (2X1.25)	330P	J	50 V
C108		CC73FCH1H060D	CAP. CHIP (2X1.25)	6P	D	50 V
C109		CC45FCH1H150J	CAP. CERAMIC	15P	J	50 V
C110		CC73FCH1H020C	CAP. CHIP (2X1.25)	2P	C	50 V
C111		CC73FCH1H101J	CAP. CHIP (2X1.25)	100P	J	50 V
C112		CK73FB1H472K	CAP. CHIP (2X1.25)	4700P	K	50 V
C113		CC73FSL1H471J	CAP. CHIP (2X1.25)	470P	J	50 V
C114		CC73FSL1H471J	CAP. CHIP (2X1.25)	470P	J	50 V
C115		CK73FB1H393K	CAP. CHIP (2X1.25)	0.039U	K	50 V
C116		CC73FCH1H100D	CAP. CHIP (2X1.25)	10P	D	50 V
C117		CE04HW1C220M	CAP. ELECTRO	22U	M	16 V
C118		CC73FSL1H102J	CAP. CHIP (2X1.25)	1000P	J	50 V
C119		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C120		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C121		CC45FCH1H180J	CAP. CERAMIC	18P	J	50 V
C122		CC73FCH1H470J	CAP. CHIP (2X1.25)	47P	J	50 V
C123		CC73FCH1H101J	CAP.CERAMIC	100P	J	50 V
C124		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C125		CC73FCH1H050C	CAP. CHIP (2X1.25)	5P	C	50 V
C151		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C152		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C153		CE04LW1A101M	CAP. ELECTRO	100U	M	10 V
C154		CE04LW1C101M	CAP. ELECTRO	100U	M	16 V
C155		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C156		CE04LW1C470M	CAP. ELECTRO	47U	M	16 V

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C157		CE04LW1C470M	CAP. ELECTRO	47U	M	16 V
C159		CE04LW1C330M	CAP. ELECTRO	33U	M	16 V
C160		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C161		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C162		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C163		CE04LW1C330M	CAP. ELECTRO	33U	M	16 V
C164		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C165		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C166		CK73FF1E104Z	CAP. CHIP (2X1.25)	0.1U	Z	25 V
C167		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C168		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C169		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C170		CK45FB2H472K	CAP.CERAMIC	4700P	K	500 V
C171		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C172		CC73FSL1H102J	CAP. CHIP (2X1.25)	1000P	J	50 V
C173		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C174		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C175		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C176		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C177		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C201		C91-2674-05	CAP. FILM	0.047U	-	630 V
C202		CC73FCH1H270J	CAP. CHIP (2X1.25)	27P	J	50 V
C203		CC73FCH1H270J	CAP. CHIP (2X1.25)	27P	J	50 V
C204		C91-2579-05	CAP. FILM	0.01U	-	400 V
C205		CK73FB1H103K	CERAMIC CAPACITOR	0.01U	K	50 V
C206		CC73FCH1H030C	CAP. CHIP (2X1.25)	3P	C	50 V
C207		CC73FCH1H331J	CAP. CHIP (2X1.25)	330P	J	50 V
C208		CC73FCH1H060D	CAP. CHIP (2X1.25)	6P	D	50 V
C209		CC45FCH1H150J	CAP. CERAMIC	15P	J	50 V
C210		CC73FCH1H020C	CAP. CHIP (2X1.25)	2P	C	50 V
C211		CC73FCH1H101J	CAP. CHIP (2X1.25)	100P	J	50 V
C212		CK73FB1H472K	CAP. CHIP (2X1.25)	4700P	K	50 V
C213		CC73FSL1H471J	CAP. CHIP (2X1.25)	470P	J	50 V
C214		CC73FSL1H471J	CAP. CHIP (2X1.25)	470P	J	50 V
C215		CK73FB1H393K	CAP. CHIP (2X1.25)	0.039U	K	50 V
C216		CC73FCH1H100D	CAP. CHIP (2X1.25)	10P	D	50 V
C219		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C220		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C222		CC73FCH1H470J	CAP. CHIP (2X1.25)	47P	J	50 V
C223		CC73FCH1H101J	CAP. CHIP (2X1.25)	100P	J	50 V
C224		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C225		CC73FCH1H050C	CAP. CHIP (2X1.25)	5P	C	50 V
C251		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C252		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C253		CE04LW1A101M	CAP. ELECTRO	100U	M	10 V
C254		CE04LW1C101M	CAP. ELECTRO	100U	M	16 V
C255		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C256		CE04LW1C470M	CAP. ELECTRO	47U	M	16 V
C257		CE04LW1C470M	CAP. ELECTRO	47U	M	16 V
C260		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C261		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C262		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C263		CE04LW1C330M	CAP. ELECTRO	33U	M	16 V
C264		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C265		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V

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C266		CK73FF1E104Z	CAP. CHIP (2X1.25)	0.1U	Z	25 V
C267		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C268		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C269		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C270		CK45FB2H472K	CAP. CHIP (2X1.25)	4700P	K	500 V
C271		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C274		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C275		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C276		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C277		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C300		CC45FCH2H100D	CAP. CERAMIC	10P	D	500 V
C302		CC45FCH2H100D	CAP. CERAMIC	10P	D	500 V
C303		C91-2579-05	CAP. FILM	0.01U	-	400 V
C304		CC73FCH1H330J	CAP. CHIP (2X1.25)	33P	J	50 V
C305		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C306		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C307		CC73FCH1H150J	CAP. CHIP (2X1.25)	15P	J	50 V
C312		CC73FCH1H470J	CAP. CHIP (2X1.25)	47P	J	50 V
C314		CC73FCH1H100D	CAP. CHIP (2X1.25)	10P	D	50 V
C315		CC73FCH1H100D	CAP. CHIP (2X1.25)	10P	D	50 V
C351		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C352		CE04LW1E470M	CAP. ELECTRO	47U	M	25 V
C353		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C354		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C355		CE04LW1A101M	CAP. ELECTRO	100U	M	10 V
C356		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C357		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C358		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C359		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C360		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C368		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C369		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C370		CK45FB2H472K	CERAMIC CAPACITOR	4700P	K	500 V
C371		CC73FCH1H101J	CAP. CHIP (2X1.25)	100P	J	50 V
C372		CC73FCH1H680J	CAP. CHIP (2X1.25)	68P	J	50 V
C400		CK73FB1H103K	CAP. CHIP (2X1.25)	0.01U	K	50 V
C801		CC45CH1H120JTA	CAP. CERAMIC	12P	J	50 V
C802		CC45CH1H120JTA	CAP. CERAMIC	12P	J	50 V
C803		CK45BIH472KTA	CAP. CERAMIC	4700P	K	50 V
C803		CK45B1H472KTA	CAP. CERAMIC	4700P	K	50 V
C901		CC45CH1H010CTA	CAP. CERAMIC	1P	C	50 V
C902		CC45CH1H010CTA	CAP. CERAMIC	1P	C	50 V
CN4		E40-7515-05	PIN CONNECTOR 3P			
CN13		E40-7515-05	CONNECTOR			
CN26		E40-7579-05	CONNECTOR			
CN30		E40-3242-05	PIN CONNECTOR 7P			
D1		DAP202K	DIODE			
D2		1SS272	DIODE			
D3		1SS272	DIODE			
D4		1SS272	DIODE			
D5		MA111	DIODE			
D51		DAP202K	DIODE			
D52		1SS272	DIODE			
D53		1SS272	DIODE			
D54		1SS272	DIODE			

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D55		MA111	DIODE
D101		UDZ6.8B	DIODE,ZENER
D102		1SS272	DIODE
D103		1SS272	DIODE
D104		DAP202K	DIODE
D201		UDZ6.8B	DIODE,ZENER
D202		1SS272	DIODE
D203		1SS272	DIODE
D204		DAP202K	DIODE
D301		UDZ6.8B	DIODE,ZENER
D302		MA111	DIODE
D303		1SS272	DIODE
D304		1SS272	DIODE
D306		DAP202K	DIODE
D371		MA111	DIODE
D372		MA111	DIODE
IC1		HD14052BFP	IC, DUAL 4CH ANALOG MPX/DE-MPX
IC2		NJM4558V	IC, DUAL OP AMP
IC4		7032LC44-NA0	PROGRAMMED PLD
IC51		HD14052BFP	IC, DUAL 4CH ANALOG MPX/DE-MPX
IC52		NJM4558V	IC, DUAL OP AMP
IC101		LT1097S8	IC, LINEAR
IC102		KMX01	HIC
IC103		KMX02	HIC
IC104		HFA3101B	IC, LINEAR
IC201		LT1097S8	IC, ILINEAR
IC202		KMX01	HIC
IC203		KMX02	HIC
IC204		HFA3101B	IC, LINEAR
IC401		NJM2902V	IC, QUAD OP AMP
J1		E04-0259-15	RF COAXIAL CONNECTOR
J2		E04-0259-15	RF COAXIAL CONNECTOR
J3		E04-0259-15	RF COAXIAL CONNECTOR
K1		S76-0645-05	RELAY
K2		S76-0645-05	RELAY
K3		S76-0645-05	RELAY
K4		S76-0645-05	RELAY
K51		S76-0645-05	RELAY
K52		S76-0645-05	RELAY
K53		S76-0645-05	RELAY
K54		S76-0645-05	RELAY
P2		E23-1520-05	GROUND TERMINAL
P6		E23-1520-05	GROUND TERMINAL
Q1		DTA114YKA	TR.SI,
Q2		DTA114YKA	TR.SI,
Q3		DTA114YKA	TR.SI,
Q4		2SC2714(O)	TR.SI, NPN
Q6		DTA114YKA	TR.SI,
Q8		2SC2412K(R)	TR.SI, NPN
Q9		2SC2412K(R)	TR.SI, PNP
Q51		DTA114YKA	TR.SI,
Q52		DTA114YKA	TR.SI,
Q53		DTA114YKA	TR.SI,
Q54		2SC2714(O)	TR.SI, PNP
Q56		DTA114YKA	TR.SI,

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Q57		2SC2412K(R)	TR.SI, NPN
Q58		2SC2412K(R)	TR.SI, NPN
Q59		2SC2412K(R)	TR.SI, NPN
Q101		2SK508(K52)	FET, N-CHANNEL
Q102		2SC2714(O)	TR.SI,
Q103		2SA1738(Q,R)	TR.SI, PNP
Q104		2SC3775(3)	TR.SI, NPN
Q105		3SK184(S)	FET, N-CHANNEL
Q106		3SK184(S)	FET, N-CHANNEL
Q107		3SK184(S)	FET, N-CHANNEL
Q108		3SK184(S)	FET, N-CHANNEL
Q109		3SK184(S)	FET, N-CHANNEL
Q110		2SC2735	TR.SI, NPN
Q111		3SK184(S)	FET, N-CHANNEL
Q112		3SK184(S)	FET, N-CHANNEL
Q113		IMX5	TR.SI,
Q114		2SC3775(3)	TR.SI, NPN
Q115		2SC3775(3)	TR.SI, NPN
Q116		2SA1738(Q,R)	TR.SI, PNP
Q117		2SA1738(Q,R)	TR.SI, PNP
Q118		2SA1738(Q,R)	TR.SI, PNP
Q119		2SA1738(Q,R)	TR.SI, PNP
Q120		2SA1738(Q,R)	TR.SI, PNP
Q121		2SA1738(Q,R)	TR.SI, PNP
Q122		2SA1738(Q,R)	TR.SI, PNP
Q123		2SC2735	TR.SI, NPN
Q124		3SK184(S)	FET, N-CHANNEL
Q126		2SA1738(Q,R)	TR.SI, PNP
Q127		2SA1738(Q,R)	TR.SI, PNP
Q201		2SK508(K52)	FET, N-CHANNEL
Q202		2SC2714(O)	TR.SI, NPN
Q203		2SA1738(Q,R)	TR.SI, PNP
Q204		2SC3775(3)	TR.SI, NPN
Q205		3SK184(S)	FET, N-CHANNEL
Q206		3SK184(S)	FET, N-CHANNEL
Q207		3SK184(S)	FET, N-CHANNEL
Q208		3SK184(S)	FET, N-CHANNEL
Q209		3SK184(S)	FET, N-CHANNEL
Q210		2SC2735	TR.SI, NPN
Q211		3SK184(S)	FET, N-CHANNEL
Q212		3SK184(S)	FET, N-CHANNEL
Q213		IMX5	TR.SI,
Q214		2SC3775(3)	TR.SI, NPN
Q215		2SC3775(3)	TR.SI, NPN
Q216		2SA1738(Q,R)	TR.SI, PNP
Q217		2SA1738(Q,R)	TR.SI, PNP
Q218		2SA1738(Q,R)	TR.SI, PNP
Q219		2SA1738(Q,R)	TR.SI, PNP
Q220		2SA1738(Q,R)	TR.SI, PNP
Q221		2SA1738(Q,R)	TR.SI, PNP
Q222		2SA1738(Q,R)	TR.SI, PNP
Q224		3SK184(S)	FET, N-CHANNEL
Q226		2SA1738(Q,R)	TR.SI, PNP
Q227		2SA1738(Q,R)	TR.SI, PNP
Q301		2SK508(K52)	FET, N-CHANNEL

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Q302		2SC2735	TR.SI, NPN			
Q303		2SA1738(Q,R)	TR.SI, PNP			
Q304		2SA1738(Q,R)	TR.SI, PNP			
Q305		2SC2714(O)	TR.SI, NPN			
Q306		2SC2735	TR.SI, NPN			
Q307		2SC2735	TR.SI, NPN			
Q308		2SC2735	TR.SI, NPN			
Q309		2SA1738(Q,R)	TR.SI, PNP			
Q310		2SA1738(Q,R)	TR.SI, PNP			
Q311		2SA1738(Q,R)	TR.SI, PNP			
Q312		2SC2735	TR.SI, NPN			
Q313		2SA1738(Q,R)	TR.SI, PNP			
Q371		2SC3779(D)	TR.SI, NPN			
Q372		2SC2412K(R)	TR.SI, NPN			
Q373		2SC2412K(R)	TR.SI, NPN			
Q374		2SC3779(D)	TR.SI, NPN			
R1		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R2		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R4		RK73FB2A104J	RES. CHIP (2X1.25)	100K	J	1/10 W
R5		RK73FB2A513J	RES. CHIP (2X1.25)	51K	J	1/10 W
R6		RK73FB2A513J	RES. CHIP (2X1.25)	51K	J	1/10 W
R7		RK73FB2A513J	RES. CHIP (2X1.25)	51K	J	1/10 W
R8		RK73FB2A513J	RES. CHIP (2X1.25)	51K	J	1/10 W
R9		RK73FB2A753J	RES. CHIP (2X1.25)	75K	J	1/10 W
R10		RK73FB2A753J	RES. CHIP (2X1.25)	75K	J	1/10 W
R11		RK73FB2A753J	RES. CHIP (2X1.25)	75K	J	1/10 W
R12		RK73FB2A753J	RES. CHIP (2X1.25)	75K	J	1/10 W
R13		RK73FB2A753J	RES. CHIP (2X1.25)	75K	J	1/10 W
R15		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R16		RK73FB2A332J	RES. CHIP (2X1.25)	3.3K	J	1/10 W
R18		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R19		RK73FB2A331J	RES. CHIP (2X1.25)	330	J	1/10 W
R21		RK73FB2A471J	RES. CHIP (2X1.25)	470	J	1/10 W
R22		RK73FB2A471J	RES. CHIP (2X1.25)	470	J	1/10 W
R23		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R24		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R25		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R26		RK73FB2A163J	RES. CHIP (2X1.25)	16K	J	1/10 W
R27		RK73FB2A273J	RES. CHIP (2X1.25)	27K	J	1/10 W
R28		RK73FB2A273J	RES. CHIP (2X1.25)	27K	J	1/10 W
R29		RK73FB2A104J	RES. CHIP (2X1.25)	100K	J	1/10 W
R30		RK73FB2A393J	RES. CHIP (2X1.25)	39K	J	1/10 W
R31		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R32		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R33		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R34		RK73FB2A563J	RES. CHIP (2X1.25)	56K	J	1/10 W
R35		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R36		RK73FB2A822J	RES. CHIP (2X1.25)	8.2K	J	1/10 W
R37		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R38		RN73FH2A163D	RES. CHIP (2X1.25)	16K	D	1/10 W
R39		RN73FH2A512D	RES. CHIP (2X1.25)	5.1K	D	1/10 W
R40		RN73FH2A512D	RES. CHIP (2X1.25)	5.1K	D	1/10 W
R41		RN73FH2A512D	RES. CHIP (2X1.25)	5.1K	D	1/10 W
R42		RN73FH2A512D	RES. CHIP (2X1.25)	5.1K	D	1/10 W
R43		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W

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Ref. No	Address	Parts No.	Description			
R44		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R45		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R46		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R47		RK73FB2A104J	RES. CHIP (2X1.25)	100K	J	1/10 W
R48		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R51		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R52		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R54		RK73FB2A104J	RES. CHIP (2X1.25)	100K	J	1/10 W
R55		RK73FB2A513J	RES. CHIP (2X1.25)	51K	J	1/10 W
R56		RK73FB2A513J	RES. CHIP (2X1.25)	51K	J	1/10 W
R57		RK73FB2A513J	RES. CHIP (2X1.25)	51K	J	1/10 W
R58		RK73FB2A513J	RES. CHIP (2X1.25)	51K	J	1/10 W
R59		RK73FB2A753J	RES. CHIP (2X1.25)	75K	J	1/10 W
R60		RK73FB2A753J	RES. CHIP (2X1.25)	75K	J	1/10 W
R61		RK73FB2A753J	RES. CHIP (2X1.25)	75K	J	1/10 W
R62		RK73FB2A753J	RES. CHIP (2X1.25)	75K	J	1/10 W
R63		RK73FB2A753J	RES. CHIP (2X1.25)	75K	J	1/10 W
R64		RK73FB2A361J	RES. CHIP (2X1.25)	360	J	1/10 W
R65		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R66		RK73FB2A332J	RES. CHIP (2X1.25)	3.3K	J	1/10 W
R67		RK73FB2A473J	RES. CHIP (2X1.25)	47K	J	1/10 W
R68		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R69		RK73FB2A332J	RES. CHIP (2X1.25)	3.3K	J	1/10 W
R70		RK73FB2A331J	RES. CHIP (2X1.25)	330	J	1/10 W
R71		RK73FB2A471J	RES. CHIP (2X1.25)	470	J	1/10 W
R72		RK73FB2A471J	RES. CHIP (2X1.25)	470	J	1/10 W
R73		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R74		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R75		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R76		RK73FB2A163J	RES. CHIP (2X1.25)	16K	J	1/10 W
R77		RK73FB2A273J	RES. CHIP (2X1.25)	27K	J	1/10 W
R78		RK73FB2A273J	RES. CHIP (2X1.25)	27K	J	1/10 W
R79		RK73FB2A104J	RES. CHIP (2X1.25)	100K	J	1/10 W
R80		RK73FB2A393J	RES. CHIP (2X1.25)	39K	J	1/10 W
R81		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R82		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R83		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R84		RK73FB2A563J	RES. CHIP (2X1.25)	56K	J	1/10 W
R85		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R86		RK73FB2A822J	RES. CHIP (2X1.25)	8.2K	J	1/10 W
R87		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R88		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R89		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R90		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R91		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R92		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R93		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R94		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R95		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R97		RK73FB2A104J	RES. CHIP (2X1.25)	100K	J	1/10 W
R98		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R100		RK73FB2A102J	RES. CARBON	1K	J	1/10 W
R101		RD14BB2E105J	RES. CARBON	1M	J	1/4 W
R103		RN14BK2E9003D	RES. METAL FILM	900K	D	1/4 W
R104		RN14BK2C1113D	RES. METAL FILM	111K	D	1/6 W

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R105		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R106		RK73FB2A121J	RES. CHIP (2X1.25)	120	J	1/10 W
R107		RK73FB2A270J	RES. CHIP (2X1.25)	27	J	1/10 W
R108		RK73FB2A151J	RES. CHIP (2X1.25)	150	J	1/10 W
R109		RK73FB2A471J	RES. CHIP (2X1.25)	470	J	1/10 W
R110		RN14BK2E9003D	RES. METAL FILM	900K	D	1/4 W
R111		RN14BK2C1113D	RES. METAL FILM	111K	D	1/6 W
R112		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R114		RK73FB2A820J	RES. CHIP (2X1.25)	82	J	1/10 W
R115		RK73FB2A151J	RES. CHIP (2X1.25)	150	J	1/10 W
R116		RD14BB2E105J	RES. CARBON	1M	J	1/4 W
R117		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R118		RN73FH2A221D	RES. CHIP (2X1.25)	220	D	1/10 W
R119		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R120		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R121		RK73FB2A821J	RES. CHIP (2X1.25)	820	J	1/10 W
R122		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R123		RK73FB2A682J	RES. CHIP (2X1.25)	6.8K	J	1/10 W
R124		RK73FB2A100J	RES. CHIP (2X1.25)	10	J	1/10 W
R125		RK73FB2A100J	RES. CHIP (2X1.25)	10	J	1/10 W
R126		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R127		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R128		RK73FB2A392J	RES. CHIP (2X1.25)	3.9K	J	1/10 W
R129		RN73FH2A101D	RES. CHIP (2X1.25)	100	D	1/10 W
R130		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R131		RN73FH2A101D	RES. CHIP (2X1.25)	100	D	1/10 W
R132		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R133		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R134		RN73FH2A271D	RES. CHIP (2X1.25)	270	D	1/10 W
R135		RN73FH2A132D	RES. CHIP (2X1.25)	1.3K	D	1/10 W
R136		RN73FH2A132D	RES. CHIP (2X1.25)	1.3K	D	1/10 W
R138		RK73FB2A240J	RES. CHIP (2X1.25)	24	J	1/10 W
R139		RK73FB2A390J	RES. CHIP (2X1.25)	39	J	1/10 W
R140		RN73FH2A242D	RES. CHIP (2X1.25)	2.4K	D	1/10 W
R141		RN73FH2A332D	RES. CHIP (2X1.25)	3.3K	D	1/10 W
R142		RN73FH2A511D	RES. CHIP (2X1.25)	510	D	1/10 W
R143		RN73FH2A364D	RES. CHIP (2X1.25)	360K	D	1/10 W
R144		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R145		RN73FH2A101D	RES. CHIP (2X1.25)	100	D	1/10 W
R146		RN73FH2A470D	RES. CHIP (2X1.25)	47	D	1/10 W
R147		RN73FH2A470D	RES. CHIP (2X1.25)	47	D	1/10 W
R148		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R149		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R150		RN73FH2A472D	RES. CHIP (2X1.25)	4.7K	D	1/10 W
R151		RN73FH2A103D	RES. CHIP (2X1.25)	10K	D	1/10 W
R152		RN73FH2A103D	RES. CHIP (2X1.25)	10K	D	1/10 W
R153		RN73FH2A470D	RES. CHIP (2X1.25)	47	D	1/10 W
R154		RN73FH2A132D	RES. CHIP (2X1.25)	1.3K	D	1/10 W
R155		RN73FH2A132D	RES. CHIP (2X1.25)	1.3K	D	1/10 W
R156		RN73FH2A182D	RES. CHIP (2X1.25)	1.8K	D	1/10 W
R157		RK73FB2A132J	RES. CHIP (2X1.25)	1.3K	J	1/10 W
R158		RK73FB2A132J	RES. CHIP (2X1.25)	1.3K	J	1/10 W
R159		RK73FB2A182J	RES. CHIP (2X1.25)	1.8K	J	1/10 W
R160		RK73FB2A182J	RES. CHIP (2X1.25)	1.8K	J	1/10 W
R161		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W

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Ref. No	Address	Parts No.	Description			
R162		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R163		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R164		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R165		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R166		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R167		RN73FH2A102D	RES. CHIP (2X1.25)	1.0K	D	1/10 W
R168		RK73FB2A273J	RES. CHIP (2X1.25)	27K	J	1/10 W
R169		RK73FB2A561J	RES. CHIP (2X1.25)	560	J	1/10 W
R170		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R171		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R172		RK73FB2A752J	RES. CHIP (2X1.25)	7.5K	J	1/10 W
R173		RK73FB2A332J	RES. CHIP (2X1.25)	3.3K	J	1/10 W
R174		RK73FB2A332J	RES. CHIP (2X1.25)	3.3K	J	1/10 W
R175		RK73FB2A332J	RES. CHIP (2X1.25)	3.3K	J	1/10 W
R176		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R177		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R178		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R179		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R180		RK73FB2A123J	RES. CHIP (2X1.25)	12K	J	1/10 W
R181		RK73FB2A620J	RES. CHIP (2X1.25)	62	J	1/10 W
R182		RK73FB2A622J	RES. CHIP (2X1.25)	6.2K	J	1/10 W
R183		RK73FB2A362J	RES. CHIP (2X1.25)	3.6K	J	1/10 W
R184		RK73FB2A133J	RES. CHIP (2X1.25)	13K	J	1/10 W
R185		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R186		RK73FB2A471J	RES. CHIP (2X1.25)	470	J	1/10 W
R187		RK73FB2A822J	RES. CHIP (2X1.25)	8.2K	J	1/10 W
R188		RK73FB2A201J	RES. CHIP (2X1.25)	200	J	1/10 W
R189		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R190		RK73FB2A133J	RES. CHIP (2X1.25)	13K	J	1/10 W
R191		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R193		RK73FB2A513J	RES. CHIP (2X1.25)	51K	J	1/10 W
R195		RK73FB2A392J	RES. CHIP (2X1.25)	3.9K	J	1/10 W
R196		RK73FB2A392J	RES. CHIP (2X1.25)	3.9K	J	1/10 W
R198		RK73FB2A822J	RES. CHIP (2X1.25)	8.2K	J	1/10 W
R200		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R201		RD14BB2E105J	RES. CARBON	1M	J	1/4 W
R203		RN14BK2E9003D	RES. METAL FILM	900K	D	1/4 W
R204		RN14BK2C1113D	RES. METAL FILM	111K	D	1/6 W
R205		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R206		RK73FB2A121J	RES. CHIP (2X1.25)	120	J	1/10 W
R207		RK73FB2A270J	RES. CHIP (2X1.25)	27	J	1/10 W
R208		RK73FB2A151J	RES. CHIP (2X1.25)	150	J	1/10 W
R209		RK73FB2A471J	RES. CHIP (2X1.25)	470	J	1/10 W
R210		RN14BK2E9003D	RES. METAL FILM	900K	D	1/4 W
R211		RN14BK2C1113D	RES. METAL FILM	111K	D	1/6 W
R212		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R214		RK73FB2A820J	RES. CHIP (2X1.25)	82	J	1/10 W
R215		RK73FB2A151J	RES. CHIP (2X1.25)	150	J	1/10 W
R216		RD14BB2E105J	CARBON FILM RESISTOR	1M	J	1/4 W
R217		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R218		RN73FH2A221D	RES. CHIP (2X1.25)	220	D	1/10 W
R219		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R220		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R221		RK73FB2A821J	RES. CHIP (2X1.25)	820	J	1/10 W
R222		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W

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R223		RK73FB2A682J	RES. CHIP (2X1.25)	6.8K	J	1/10 W
R224		RK73FB2A100J	RES. CHIP (2X1.25)	10	J	1/10 W
R225		RK73FB2A100J	RES. CHIP (2X1.25)	10	J	1/10 W
R226		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R227		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R228		RK73FB2A392J	RES. CHIP (2X1.25)	3.9K	J	1/10 W
R229		RN73FH2A101D	RES. CHIP (2X1.25)	100	D	1/10 W
R230		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R231		RN73FH2A101D	RES. CHIP (2X1.25)	100	D	1/10 W
R232		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R233		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R234		RN73FH2A271D	RES. CHIP (2X1.25)	270	D	1/10 W
R235		RN73FH2A132D	RES. CHIP (2X1.25)	1.3K	D	1/10 W
R236		RN73FH2A132D	RES. CHIP (2X1.25)	1.3K	D	1/10 W
R237		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R238		RK73FB2A240J	RES. CHIP (2X1.25)	24	J	1/10 W
R239		RK73FB2A390J	RES. CHIP (2X1.25)	39	J	1/10 W
R240		RN73FH2A242D	RES. CHIP (2X1.25)	2.4K	D	1/10 W
R241		RN73FH2A332D	RES. CHIP (2X1.25)	3.3K	D	1/10 W
R242		RN73FH2A511D	RES. CHIP (2X1.25)	510	D	1/10 W
R243		RN73FH2A364D	RES. CHIP (2X1.25)	360K	D	1/10 W
R244		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R245		RN73FH2A101D	RES. CHIP (2X1.25)	100	D	1/10 W
R246		RN73FH2A470D	RES. CHIP (2X1.25)	47	D	1/10 W
R247		RN73FH2A470D	RES. CHIP (2X1.25)	47	D	1/10 W
R248		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R249		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R250		RN73FH2A472D	RES. CHIP (2X1.25)	4.7K	D	1/10 W
R251		RN73FH2A103D	RES. CHIP (2X1.25)	10K	D	1/10 W
R252		RN73FH2A103D	RES. CHIP (2X1.25)	10K	D	1/10 W
R253		RN73FH2A470D	RES. CHIP (2X1.25)	47	D	1/10 W
R254		RN73FH2A132D	RES. CHIP (2X1.25)	1.3K	D	1/10 W
R255		RN73FH2A132D	RES. CHIP (2X1.25)	1.3K	D	1/10 W
R256		RN73FH2A182D	RES. CHIP (2X1.25)	1.8K	D	1/10 W
R257		RK73FB2A132J	RES. CHIP (2X1.25)	1.3K	J	1/10 W
R258		RK73FB2A132J	RES. CHIP (2X1.25)	1.3K	J	1/10 W
R259		RK73FB2A182J	RES. CHIP (2X1.25)	1.8K	J	1/10 W
R260		RK73FB2A182J	RES. CHIP (2X1.25)	1.8K	J	1/10 W
R261		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R262		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R263		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R264		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R265		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R266		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R267		RN73FH2A751D	RES. CHIP (2X1.25)	750	D	1/10 W
R268		RK73FB2A273J	RES. CHIP (2X1.25)	27K	J	1/10 W
R269		RK73FB2A561J	RES. CHIP (2X1.25)	560	J	1/10 W
R270		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R271		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R272		RK73FB2A752J	RES. CHIP (2X1.25)	7.5K	J	1/10 W
R273		RK73FB2A332J	RES. CHIP (2X1.25)	3.3K	J	1/10 W
R274		RK73FB2A332J	RES. CHIP (2X1.25)	3.3K	J	1/10 W
R275		RK73FB2A332J	RES. CHIP (2X1.25)	3.3K	J	1/10 W
R276		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R277		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W

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Ref. No	Address	Parts No.	Description			
R278		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R279		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R280		RK73FB2A123J	RES. CHIP (2X1.25)	12K	J	1/10 W
R281		RK73FB2A620J	RES. CHIP (2X1.25)	62	J	1/10 W
R282		RK73FB2A622J	RES. CHIP (2X1.25)	6.2K	J	1/10 W
R283		RK73FB2A362J	RES. CHIP (2X1.25)	3.6K	J	1/10 W
R284		RK73FB2A133J	RES. CHIP (2X1.25)	13K	J	1/10 W
R285		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R286		RK73FB2A471J	RES. CHIP (2X1.25)	470	J	1/10 W
R291		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R293		RK73FB2A513J	RES. CHIP (2X1.25)	51K	J	1/10 W
R295		RK73FB2A392J	RES. CHIP (2X1.25)	3.9K	J	1/10 W
R296		RK73FB2A392J	RES. CHIP (2X1.25)	3.9K	J	1/10 W
R307		RN14BK2E7063D	RES. METAL FILM	706K	D	1/4 W
R308		RN14BK2C4173D	RES. METAL FILM	417K	D	1/6 W
R309		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R310		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R311		RK73FB2A510J	RES. CHIP (2X1.25)	51	J	1/10 W
R312		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R313		RN14BK2E1004F	RES. METAL FILM	1M	F	1/4 W
R314		RD14BB2E105J	CARBON FILM RESISTOR	1M	J	1/4 W
R315		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R316		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R317		RN73FH2A331D	RES. CHIP (2X1.25)	330	D	1/10 W
R318		RK73FB2A152J	RES. CHIP (2X1.25)	1.5K	J	1/10 W
R319		RK73FB2A362J	RES. CHIP (2X1.25)	3.6K	J	1/10 W
R320		RK73FB2A362J	RES. CHIP (2X1.25)	3.6K	J	1/10 W
R321		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R322		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R323		RK73FB2A681J	RES. CHIP (2X1.25)	680	J	1/10 W
R324		RK73FB2A133J	RES. CHIP (2X1.25)	13K	J	1/10 W
R325		RK73FB2A112J	RES. CHIP (2X1.25)	1.1K	J	1/10 W
R326		RK73FB2A112J	RES. CHIP (2X1.25)	1.1K	J	1/10 W
R327		RK73FB2A911J	RES. CHIP (2X1.25)	910	J	1/10 W
R328		RK73FB2A361J	RES. CHIP (2X1.25)	360	J	1/10 W
R329		RN73FH2A332D	RES. METAL FILM	3.3K	D	1/10 W
R330		RN73FH2A682D	RES. METAL FILM	6.8K	D	1/10 W
R331		RN73FH2A431D	RES. CHIP (2X1.25)	430	D	1/10 W
R332		RN73FH2A821D	RES. CHIP (2X1.25)	820	D	1/10 W
R333		RN73FH2A821D	RES. METAL FILM	820	D	1/10 W
R334		RK73FB2A273J	RES. CHIP (2X1.25)	27K	J	1/10 W
R335		RK73FB2A243J	RES. CHIP (2X1.25)	24K	J	1/10 W
R336		RK73FB2A151J	RES. CHIP (2X1.25)	150	J	1/10 W
R337		RK73FB2A151J	RES. CHIP (2X1.25)	150	J	1/10 W
R338		RK73FB2A362J	RES. CHIP (2X1.25)	3.6K	J	1/10 W
R339		RK73FB2A682J	RES. CHIP (2X1.25)	6.8K	J	1/10 W
R340		RK73FB2A362J	RES. CHIP (2X1.25)	3.6K	J	1/10 W
R341		RK73FB2A682J	RES. CHIP (2X1.25)	6.8K	J	1/10 W
R342		RK73FB2A362J	RES. CHIP (2X1.25)	3.6K	J	1/10 W
R343		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R345		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R346		RK73FB2A302J	RES. CHIP (2X1.25)	3K	J	1/10 W
R347		RK73FB2A122J	RES. CHIP (2X1.25)	1.2K	J	1/10 W
R348		RK73FB2A821J	RES. CHIP (2X1.25)	820	J	1/10 W
R349		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W

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R350		RK73FB2A471J	RES. CHIP (2X1.25)	470	J	1/10 W
R351		RK73FB2A132J	RES. CHIP (2X1.25)	1.3K	J	1/10 W
R352		RK73FB2A620J	RES. CHIP (2X1.25)	62	J	1/10 W
R355		RK73FB2A273J	RES. CHIP (2X1.25)	27K	J	1/10 W
R359		RK73FB2A473J	RES. CHIP (2X1.25)	47K	J	1/10 W
R360		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R361		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R362		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R363		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R364		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R366		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R367		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R368		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R369		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R371		RN73FH2A392D	RES. CHIP (2X1.25)	3.9K	D	1/10 W
R372		RN73FH2A392D	RES. CHIP (2X1.25)	3.9K	D	1/10 W
R373		RN73FH2A391D	RES. CHIP (2X1.25)	390	D	1/10 W
R374		RN73FH2A391D	RES. CHIP (2X1.25)	390	D	1/10 W
R375		RN73FH2A751D	RES. CHIP (2X1.25)	750	D	1/10 W
R376		RN73FH2A751D	RES. CHIP (2X1.25)	750	D	1/10 W
R377		R92-1553-05	RESISTOR	620	-	1 W
R378		RN73FH2A621D	RES. CHIP (2X1.25)	620	D	1/10 W
R379		RN73FH2A621D	RES. CHIP (2X1.25)	620	D	1/10 W
R380		RN73FH2A390D	RES. CHIP (2X1.25)	39	D	1/10 W
R381		RN73FH2A390D	RES. CHIP (2X1.25)	39	D	1/10 W
R382		RK73FB2A473J	RES. CHIP (2X1.25)	47K	J	1/10 W
R383		RK73FB2A332J	RES. CHIP (2X1.25)	3.3K	J	1/10 W
R384		RN73FH2A203D	RES. CHIP (2X1.25)	20K	D	1/10 W
R385		RN73FH2A683D	RES. CHIP (2X1.25)	68K	D	1/10 W
R386		RN73FH2A392D	RES. CHIP (2X1.25)	3.9K	D	1/10 W
R387		RN73FH2A392D	RES. CHIP (2X1.25)	3.9K	D	1/10 W
R388		RK73FB2A751J	RES. CHIP (2X1.25)	750	J	1/10 W
R389		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R390		RK73FB2A104J	RES. CHIP (2X1.25)	100K	J	1/10 W
R401		RK73FB2A391J	RES. CHIP (2X1.25)	390	J	1/10 W
R402		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R403		RK73FB2A391J	RES. CHIP (2X1.25)	390	J	1/10 W
R404		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R405		RK73FB2A152J	RES. CHIP (2X1.25)	1.5K	J	1/10 W
R406		E31-2170-05	JUMPING WIRE			
R407		E31-2170-05	JUMPING WIRE			
R408		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R451		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R452		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R453		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R454		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R455		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R456		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R457		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R458		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R501		RK73FB2A331J	RES. CHIP (2X1.25)	330	J	1/10 W
R503		RK73FB2A331J	RES. CHIP (2X1.25)	330	J	1/10 W
R610		R92-0670-05	JUMPER WIRE	0	-	1/10 W
R611		R92-0670-05	JUMPER WIRE	0	-	1/10 W
R801		RN14BK2C3900F	RES. METAL FILM	390	F	1/6 W

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Ref. No	Add-ress	New Parts	Parts No.	Description			
R802			RN14BK2C3900F	RES. METAL FILM	390	F	1/6 W
R901			RD14BB2C220J	RES. CARBON	22	J	1/6 W
R902			RD14BB2C220J	CARBON FILM RESISTOR	22	J	1/6 W
R903			RD14BB2C220J	CARBON FILM RESISTOR	22	J	1/6 W
R908			RD14BB2C681J	RES. CARBON	680	J	1/6 W
R909			RD14BB2C681J	CARBON FILM RESISTOR	680	J	1/6 W
R910			RD14BB2C202J	RES. CARBON	2K	J	1/6 W
R911			RD14BB2C202J	CARBON FILM RESISTOR	2K	J	1/6 W
R912			RD14BB2C390J	RES. CARBON	39	J	1/6 W
R913			RN14BK2C3302F	RES. TIMER	33K	F	1/6 W
R914			RN14BK2C3302F	RES. METAL FILM	33K	F	1/6 W
R915			RN14BK2C1003F	RES. METAL FILM	100K	F	1/6 W
R916			RN14BK2C1003F	RES. METAL FILM	100K	F	1/6 W
TC101			C05-0495-05	CAP. CERAMIC	6P	-	-
TC102			C05-0496-05	CAP. CERAMIC	10P	-	-
TC103			C05-0495-05	CAP. CERAMIC	6P	-	-
TC106			C05-0495-05	CAP. CERAMIC	6P	-	-
TC201			C05-0495-05	CAP. CERAMIC	6P	-	-
TC202			C05-0496-05	CAP. CERAMIC	10P	-	-
TC203			C05-0495-05	CAP. CERAMIC	6P	-	-
TC205			C05-0701-05	RES. TIMER	20P	-	-
TC206			C05-0495-05	CAP. CERAMIC	6P	-	-
TC303			C05-0495-05	CAP. CERAMIC	6P	-	-
TC305			C05-0496-05	RES. TIMER	10P	-	-
TH101			112-102-2FM	THERMISTOR			
TH102			R92-1578-05	RES. LINEAR PCT			
TH201			112-102-2FM	THERMISTOR			
TH202			R92-1578-05	TEMP.COEFFICIENT RESISTOR			
TH301			R92-1577-05	RES. LINEAR PCT			
TH302			R92-1579-05	RES. LINEAR PCT			
VR101			R12-6717-05	RES. SEMI FIXED	47K	-	
VR102			R12-6701-05	RES. SEMI FIXED	100	-	
VR104			R12-6701-05	RES. SEMI FIXED	100	-	
VR106			R12-6707-05	RES. SEMI FIXED	1K	-	
VR107			R12-6715-05	RES. SEMI FIXED	22K	-	
VR201			R12-6717-05	RES. SEMI FIXED	47K	-	
VR202			R12-6701-05	RES. SEMI FIXED	100	-	
VR203			R12-6705-05	RES. SEMI FIXED	470	-	
VR204			R12-6701-05	RES. SEMI FIXED	100	-	
VR205			R12-6701-05	RES. SEMI FIXED	100	-	
VR206			R12-6707-05	RES. SEMI FIXED	1K	-	
VR207			R12-6715-05	RES. SEMI FIXED	22K	-	
VR301			R12-6717-05	RES. SEMI FIXED	47K	-	
VR302			R12-6707-05	RES. SEMI FIXED	1K	-	
VR303			R12-6715-05	RES. SEMI FIXED	22K	-	
VR371			R12-6715-05	RES. SEMI FIXED	22K	-	
VR372			R12-6703-05	RES. SEMI FIXED	220	-	
VR901			R12-5525-05	RES. SEMI FIXED	100K	-	
VR902			R12-5525-05	RES. SEMI FIXED	100K	-	
W1			E38-1627-05	LEAD WIRE WITH TERMINAL			
W2			E38-1627-05	LEAD WIRE WITH TERMINAL			
W3			E38-1627-05	LEAD WIRE WITH TERMINAL			
WH1			E38-1556-05	LEAD WIRE WITH CONNECTOR			
WH3			E38-1625-05	LEAD WIRE WITH CONNECTOR			

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CS-5355 FINAL AMP UNIT(X73-2210-01)						
		J73-0285-42	PCB(UNMOUNTED)			
		F01-2317-04	HEAT SINK			
		F01-2318-04	HEAT SINK			
		N09-0623-04	SEMS SCREW			
		E31-2170-05	JUMPING WIRE			
C1		CF92FV1H103J	CAP. METALIZED	0.01U	J	50 V
C3		C90-3178-05	CAP. ELECTRO	0.047	-	5.5 V
C4		C90-3178-05	CAP. ELECTRO	0.047	-	5.5 V
C6		CF92FV1H102J	CAP. METALIZED	1000P	J	50 V
C8		CF92FV1H102J	CAP. METALIZED	1000P	J	50 V
C9		CF92FV1H102J	CAP. METALIZED	1000P	J	50 V
C10		CC45FCH1H070D	CAP. CERAMIC	7P	D	50 V
C11		CC45FCH1H470J	CAP. CERAMIC	47P	J	50 V
C13		CC45FCH1H180J	CAP. CERAMIC	18P	J	50 V
C14		CC45FSL1H391J	CAP. CERAMIC	390P	J	50 V
C15		CC45FCH1H060D	CAP. CERAMIC	6P	D	50 V
C16		CC45FCH1H060D	CAP. CERAMIC	6P	D	50 V
C18		CC45FCH1H180J	CAP. CERAMIC	18P	J	50 V
C101		CE04LW1E101M	CAP. ELECTRO	100U	M	25 V
C102		C91-0769-05	CAP.CERAMIC	0.01U	-	16 V
C103		CE04LW1E101M	CAP. ELECTRO	100U	M	25 V
C104		C91-0769-05	CAP.CERAMIC	0.01U	-	16 V
C106		C91-1357-05	CAP. FILM	0.1U	-	100 V
C107		C91-0769-05	CAP.CERAMIC	0.01U	-	16 V
C108		C91-0769-05	CAP.CERAMIC	0.01U	-	16 V
C109		C91-0769-05	CAP.CERAMIC	0.01U	-	16 V
C207		CE04LW1E101M	CAP. ELECTRO	100U	M	25 V
C209		CE04LW0J101M	CAP. ELECTRO	100U	M	6.3 V
C211		CC45FCH1H270J	CAP. CERAMIC	27P	J	50 V
C212		CE04LW1A330M	CAP. ELECTRO	33U	M	10 V
C300		CE04HW0J471M	CAP. ELECTRO	470U	M	6.3 V
C301		CE04HW0J471M	CAP. ELECTRO	470U	M	6.3 V
C302		CE04HW1C100M	CAP. ELECTRO	10U	M	16 V
CN4		E40-7515-05	PIN CONNECTOR 3P			
CN5		E40-3300-05	PIN CONNECTOR 3P			
CN14		E40-5066-05	PIN CONNECTOR 9P			
CN18		E40-7518-05	PIN CONNECTOR 6P			
CN19		E40-7515-05	PIN CONNECTOR			
CN21		E40-7587-05	PIN CONNECTOR 2P			
CN22		E40-7420-05	PIN CONNECTOR 4P			
CN105		E40-7515-05	PIN CONNECTOR			
CN114		E40-7517-05	PIN CONNECTOR 5P			
CN900		E01-0103-05	SOCKET			
D100		MA700	DIODE			
D101		MA700	DIODE			
J201		E04-0277-05	RF COAXIAL CONNECTOR			
L1		L40-2201-17	FERRI INDUCTOR	22U		
L2		L40-1001-17	FERRI INDUCTOR	10U		
L61		L40-1291-17	FERRI INDUCTOR	1.2U		
L62		L40-2791-17	FERRI INDUCTOR	2.7U		
L63		L40-1291-17	FERRI INDUCTOR	1.2U		
L64		L40-2791-17	FERRI INDUCTOR	2.7U		
L202		L40-1291-17	FERRI INDUCTOR	1.2U		
L203		L40-1291-17	FERRI INDUCTOR	1.2U		
P1		E23-1520-05	GROUND TERMINAL			

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P2		E23-1520-05	GROUND TERMINAL			
P3		E23-1520-05	GROUND TERMINAL			
Q1		2SA1161	TR.SI, PNP			
Q2		2SA1161	TR.SI, NPN			
Q3		2SC3779(D)	TR.SI, NPN			
Q4		2SC3779(D)	TR.SI, NPN			
Q9		2SC2644	TR.SI, NPN			
Q10		2SC2644	TR.SI, NPN			
Q11		2SC2644	TR.SI, NPN			
Q12		2SC2644	TR.SI, NPN			
Q100		2SC1740S(R,S)	TR.SI, NPN			
Q105		2SC1907	TR.SI, NPN			
Q106		2SC1907	TR.SI, NPN			
Q107		2SC1907	TR.SI, NPN			
Q108		2SC1907	TR.SI, NPN			
Q113		2SC3952(D)	TR.SI, NPN			
Q114		2SC3952(D)	TR.SI, NPN			
Q201		2SC3779(D)	TR.SI, NPN			
Q202		2SC3779(D)	TR.SI, NPN			
R1		RD14BB2C202J	CARBON FILM RESISTOR	2K	J	1/6 W
R2		RD14BB2C182J	RES. CARBON	1.8K	J	1/6 W
R3		RD14BB2E822J	RES. CARBON	8.2K	J	1/4 W
R4		RD14BB2C221J	RES. CARBON	220	J	1/6 W
R5		RD14BB2C131J	RES. CARBON	130	J	1/6 W
R6		RD14BB2C221J	RES. CARBON	220	J	1/6 W
R7		RD14BB2C751J	RES. CARBON	750	J	1/6 W
R8		RD14BB2C911J	RES. CARBON	820	J	1/6 W
R9		RD14BB2C911J	RES. CARBON	820	J	1/6 W
R10		RD14BB2C101J	RES. CARBON	100	J	1/6 W
R11		RD14BB2C132J	RES. CARBON	1.3K	J	1/6 W
R12		RD14BB2C132J	RES. CARBON	1.3K	J	1/6 W
R13		RD14BB2C101J	RES. CARBON	100	J	1/6 W
R14		RD14BB2E273J	RES. CARBON	27K	J	1/4 W
R17		RD14BB2C220J	RES. CARBON	22	J	1/6 W
R18		RD14BB2C220J	RES. CARBON	22	J	1/6 W
R19		RD14BB2C113J	RES. CARBON	11K	J	1/6 W
R20		RD14BB2C272J	RES. CARBON	2.7K	J	1/6 W
R22		RN14BK2C5600F	RES. METAL FILM	560	F	1/6 W
R23		RD14BB2C753J	RES. CARBON	75K	J	1/6 W
R24		RD14BB2C333J	RES. CARBON	33K	J	1/6 W
R25		RD14BB2C221J	RES. CARBON	220	J	1/6 W
R26		RD14BB2C221J	RES. CARBON	220	J	1/6 W
R27		RD14BB2C332J	RES. CARBON	3.3K	J	1/6 W
R28		RD14BB2C332J	RES. CARBON	3.3K	J	1/6 W
R29		RD14BB2C220J	RES. CARBON	22	J	1/6 W
R30		RD14BB2C220J	RES. CARBON	22	J	1/6 W
R32		RD14BB2E222J	RES. CARBON	2.2K	J	1/4 W
R33		RD14BB2C622J	RES. CARBON	6.2K	J	1/6 W
R34		RD14BB2C241J	RES. CARBON	240	J	1/6 W
R38		RD14BB2C103J	RES. CARBON	10K	J	1/6 W
R39		RD14BB2C182J	RES. CARBON	1.8K	J	1/6 W
R41		RD14BB2C680J	RES. CARBON	68	J	1/6 W
R42		RD14BB2C621J	RES. CARBON	620	J	1/6 W
R43		RD14BB2C621J	RES. CARBON	620	J	1/6 W
R44		RD14BB2C562J	RES. CARBON	5.6K	J	1/6 W

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Ref. No	Address	Parts No.	Description			
R45		RD14BB2C362J	RES. CARBON	3.6K	J	1/6 W
R46		RD14BB2C911J	RES. CARBON	910	J	1/6 W
R47		RD14BB2C102J	RES. CARBON	1K	J	1/6 W
R48		RD14BB2C102J	RES. CARBON	1K	J	1/6 W
R49		RD14BB2C151J	RES. CARBON	150	J	1/6 W
R50		RD14BB2C151J	RES. CARBON	150	J	1/6 W
R51		RD14BB2E220J	RES. CARBON	22	J	1/4 W
R52		RD14BB2E220J	RES. CARBON	22	J	1/4 W
R53		RD14BB2C1R0J	RES. CARBON	1	J	1/6 W
R54		RD14BB2C1R0J	RES. CARBON	1	J	1/6 W
R58		RD14BB2C512J	RES. CARBON	5.1K	J	1/6 W
R59		RD14BB2C153J	RES. CARBON	15K	J	1/6 W
R61		RD14BB2C431J	RES. CARBON	430	J	1/6 W
R62		RD14BB2C431J	RES. CARBON	430	J	1/6 W
R63		RD14BB2C220J	RES. CARBON	22	J	1/6 W
R64		RD14BB2C220J	RES. CARBON	22	J	1/6 W
R65		RD14BB2C101J	RES. CARBON	100	J	1/6 W
R66		RD14BB2C101J	RES. CARBON	100	J	1/6 W
R67		RD14BB2C101J	RES. CARBON	100	J	1/6 W
R68		RD14BB2C101J	RES. CARBON	100	J	1/6 W
R69		RD14BB2C223J	RES. CARBON	22K	J	1/6 W
R71		RD14BB2C360J	RES. CARBON	36	J	1/6 W
R72		RN14BK2C51R0F	RES. METAL FILM	51	F	1/6 W
R73		R92-1681-05	RESISTOR	160	-	1 W
R74		R92-1681-05	RESISTOR	160	-	1 W
R75		R92-1566-05	RESISTOR	91	-	1 W
R76		R92-1566-05	RESISTOR	91	-	1 W
R77		R92-1566-05	RESISTOR	91	-	1 W
R78		R92-1566-05	RESISTOR	91	-	1 W
R79		RD14BB2E2R2J	RES. CARBON	2.2	J	1/4 W
R80		RD14BB2E2R2J	RES. CARBON	2.2	J	1/4 W
R81		RD14BB2C391J	RES. CARBON	390	J	1/6 W
R85		R92-1682-05	RESISTOR	620	-	2 W
R86		R92-1682-05	RESISTOR	620	-	2 W
R87		R92-1682-05	RESISTOR	620	-	2 W
R88		R92-1682-05	RESISTOR	620	-	2 W
R89		R92-1682-05	RESISTOR	620	-	2 W
R90		R92-1682-05	RESISTOR	620	-	2 W
R91		R92-1682-05	RESISTOR	620	-	2 W
R92		R92-1682-05	RESISTOR	620	-	2 W
R93		RD14BB2C220J	RES. CARBON	22	J	1/6 W
R95		RD14BB2C220J	RES. CARBON	22	J	1/6 W
R97		RD14BB2C104J	RES. CARBON	100K	J	1/6 W
R98		RD14BB2C104J	RES. CARBON	100K	J	1/6 W
R100		RD14BB2C622J	RES. CARBON	6.2K	J	1/6 W
R101		RD14BB2C622J	RES. CARBON	6.2K	J	1/6 W
R102		RD14BB2C203J	RES. CARBON	20K	J	1/6 W
R103		RD14BB2C203J	RES. CARBON	20K	J	1/6 W
R203		RD14BB2C471J	RES. CARBON	470	J	1/6 W
R204		RD14BB2C471J	RES. CARBON	470	J	1/6 W
R205		RD14BB2C272J	RES. CARBON	2.7K	J	1/6 W
R207		RD14BB2C201J	RES. CARBON	200	J	1/6 W
R208		RD14BB2C100J	RES. CARBON	10	J	1/6 W
R209		RD14BB2C151J	RES. CARBON	150	J	1/6 W
R210		RD14BB2C470J	RES. CARBON	47	J	1/6 W

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R211		RD14BB2C104J	RES. CARBON	100K	J	1/6 W
R212		RD14BB2C101J	RES. CARBON	100	J	1/6 W
R213		RD14BB2E223J	RES. CARBON	22K	J	1/4 W
R214		RD14BB2E223J	RES. CARBON	22K	J	1/4 W
R215		RD14BB2C100J	RES. CARBON	10	J	1/6 W
R216		RD14BB2C222J	RES. CARBON	2.2K	J	1/6 W
R217		RD14BB2C222J	RES. CARBON	2.2K	J	1/6 W
R218		RD14BB2C241J	RES. CARBON	240	J	1/6 W
R219		RD14BB2C161J	RES. CARBON	160	J	1/6 W
TC1		C05-0470-05	CAP. CERAMIC	20P	-	-
TC62		C05-0473-05	CAP. CERAMIC	120P	-	-
TH1		112-103-2FM	THERMISTOR			
TH2		112-103-2FM				
TH15		R92-1575-05	TEMP.COEFFICIENT RESISTO			
TH16		R92-1575-05	TEMP.COEFFICIENT RESISTO			
VR1		R12-1857-05	RES. SEMI FIXED	1K	-	
VR3		R12-1860-05	RES. SEMI FIXED	1K	-	
VR4		R12-0679-05	RES. SEMI FIXED	22K	-	

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Ref. No	Address	Parts No.	Description			
CS-5375 FINAL AMP UNIT(X73-2210-03)						
		J73-0285-42	PCB(UNMOUNTED)			
		F01-2318-04	HEAT SINK			
		F01-2346-05	HEAT SINK			
		J21-4879-04	BRACKET; HEAT SINK			
		N09-0718-05	SCREW			
		E31-2170-05	JMPING WIRE			
C1		CF92FV1H103J	CAP. METALIZED	0.01U	J	50 V
C3		C90-3178-05	CAP. ELECTRO	0.047	-	5.5 V
C4		C90-3178-05	CAP. ELECTRO	0.047	-	5.5 V
C6		CC45FSL1H821J	CAP. CERAMIC	820P	J	50 V
C8		CF92FV1H102J	CAP. METALIZED	1000P	J	50 V
C9		CF92FV1H102J	CAP. METALIZED	1000P	J	50 V
C10		CC45FCH1H070D	CAP. CERAMIC	7P	D	50 V
C11		CC45FCH1H470J	CAP. CERAMIC	47P	J	50 V
C13		CC45FCH1H180J	CAP. CERAMIC	18P	J	50 V
C14		CC45FSL1H391J	CAP. CERAMIC	390P	J	50 V
C15		CC45FCH1H060D	CAP. CERAMIC	6P	D	50 V
C16		CC45FCH1H060D	CAP. CERAMIC	6P	D	50 V
C17		CF92V1H103J	CAP. METALIZED	0.01U	J	50 V
C18		CF92V1H104J	CAP. METALIZED	0.1U	J	50 V
C101		CE04LW1E101M	CAP. ELECTRO	100U	M	25 V
C102		C91-0769-05	CAP.CERAMIC	0.01U	-	16 V
C103		CE04LW1E101M	CAP. ELECTRO	100U	M	25 V
C104		C91-0769-05	CAP.CERAMIC	0.01U	-	16 V
C106		C91-1357-05	CAP. FILM	0.1U	-	100 V
C107		C91-0769-05	CAP.CERAMIC	0.01U	-	16 V
C108		C91-0769-05	CAP.CERAMIC	0.01U	-	16 V
C110		CK45FB1H102K	CAP.CERAMIC	1000P	K	50 V
C111		C91-0769-05	CAP.CERAMIC	0.01U	-	16 V
C207		CE04LW1E101M	CAP. ELECTRO	100U	M	25 V
C209		CE04LW0J101M	CAP. ELECTRO	100U	M	6.3 V
C211		CC45FCH1H270J	CAP. CERAMIC	27P	J	50 V
C212		CE04LW1A330M	CAP. ELECTRO	33U	M	10 V
C300		CE04HW0J471M	CAP. ELECTRO	470U	M	6.3 V
C301		CE04HW0J471M	CAP. ELECTRO	470U	M	6.3 V
C302		CE04HW1C100M	CAP. ELECTRO	10U	M	16 V
CN4		E40-7515-05	CONNECTOR 3P			
CN5		E40-3300-05	CONNECTOR 3P			
CN14		E40-5066-05	CONNECTOR 9P			
CN18		E40-7518-05	CONNECTOR 6P			
CN19		E40-7515-05	CONNECTOR			
CN21		E40-7587-05	CONNECTOR 2P			
CN22		E40-7420-05	CONNECTOR 4P			
CN105		E40-7515-05	CONNECTOR			
CN114		E40-7517-05	CONNECTOR 5P			
CN900		E01-0103-05	SOCKET			
D100		MA700	DIODE			
D101		MA700	DIODE			
J201		E04-0277-05	RF COAXIAL CONNECTOR			
L2		L40-1001-17	FERRI INDUCTOR	10U		
L61		L40-3381-17	FERRI INDUCTOR	-		
L62		L40-4781-17	FERRI INDUCTOR	470N		
L63		L40-3381-17	FERRI INDUCTOR	-		
L64		L40-4781-17	FERRI INDUCTOR	470N		
L202		L40-2281-17	FERRI INDUCTOR	220N		
L203		L40-2281-17	FERRI INDUCTOR	220N		

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P1		E23-1520-05	GROUND TERMINAL			
P2		E23-1520-05	GROUND TERMINAL			
P3		E23-1520-05	GROUND TERMINAL			
Q1		2SA1161	TR.SI, PNP			
Q2		2SA1161	TR.SI, PNP			
Q3		2SC3779(D)	TR.SI, NPN			
Q4		2SC3779(D)	TR.SI, NPN			
Q5		2SC3779(D)	TR.SI, NPN			
Q6		2SC3779(D)	TR.SI, NPN			
Q7		2SC3779(D)	TR.SI, NPN			
Q8		2SC3779(D)	TR.SI, NPN			
Q9		2SC3779(D)	TR.SI, NPN			
Q10		2SC3779(D)	TR.SI, NPN			
Q11		2SC3779(D)	TR.SI, NPN			
Q12		2SC3779(D)	TR.SI, NPN			
Q13		2SC1252	TR.SI, NPN			
Q14		2SC1252	TR.SI, NPN			
Q100		2SC1740S(R,S)	TR.SI, NPN			
Q201		2SC3779(D)	TR.SI, NPN			
Q202		2SC3779(D)	TR.SI, NPN			
R1		RD14BB2C202J	RES.CARBON	2K	J	1/6 W
R2		RD14BB2C182J	RES.CARBON	1.8K	J	1/6 W
R3		RD14BB2E822J	RES.CARBON	8.2K	J	1/4 W
R4		RD14BB2C221J	RES.CARBON	220	J	1/6 W
R5		RD14BB2C131J	RES.CARBON	130	J	1/6 W
R6		RD14BB2C221J	RES.CARBON	220	J	1/6 W
R7		RD14BB2C751J	RES.CARBON	750	J	1/6 W
R8		RD14BB2C911J	RES.CARBON	820	J	1/6 W
R9		RD14BB2C911J	RES.CARBON	820	J	1/6 W
R10		RD14BB2C220J	RES.CARBON	22	J	1/6 W
R11		RD14BB2C132J	RES.CARBON	1.3K	J	1/6 W
R12		RD14BB2C132J	RES.CARBON	1.3K	J	1/6 W
R13		RD14BB2C220J	RES.CARBON	22	J	1/6 W
R14		RD14BB2E273J	RES.CARBON	27K	J	1/4 W
R17		RD14BB2C220J	RES.CARBON	22	J	1/6 W
R18		RD14BB2C220J	RES.CARBON	22	J	1/6 W
R19		RD14BB2C113J	RES.CARBON	11K	J	1/6 W
R20		RD14BB2C202J	RES.CARBON	2K	J	1/6 W
R22		RN14BK2C5600F	RES. METAL FILM	560	F	1/6 W
R23		RD14BB2C753J	RES.CARBON	75K	J	1/6 W
R24		RD14BB2C333J	RES.CARBON	33K	J	1/6 W
R25		RD14BB2C221J	RES.CARBON	220	J	1/6 W
R26		RD14BB2C221J	RES.CARBON	220	J	1/6 W
R27		RD14BB2C332J	RES.CARBON	3.3K	J	1/6 W
R28		RD14BB2C332J	RES.CARBON	3.3K	J	1/6 W
R29		RD14BB2C220J	RES.CARBON	22	J	1/6 W
R30		RD14BB2C220J	RES.CARBON	22	J	1/6 W
R32		RD14BB2E222J	RES.CARBON	2.2K	J	1/4 W
R33		RD14BB2C622J	RES.CARBON	6.2K	J	1/6 W
R34		RD14BB2C241J	RES.CARBON	240	J	1/6 W
R38		RD14BB2C103J	RES.CARBON	10K	J	1/6 W
R39		RD14BB2C182J	RES.CARBON	1.8K	J	1/6 W
R42		RD14BB2C102J	RES.CARBON	1K	J	1/6 W
R43		RD14BB2C102J	RES.CARBON	1K	J	1/6 W
R44		RD14BB2C562J	RES.CARBON	5.6K	J	1/6 W

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R45		RD14BB2C362J	RES.CARBON	3.6K	J	1/6 W
R46		RD14BB2C911J	RES.CARBON	1.3K	J	1/6 W
R47		RD14BB2C911J	RES.CARBON	910	J	1/6 W
R48		RD14BB2C911J	RES.CARBON	910	J	1/6 W
R49		RD14BB2C470J	RES.CARBON	47	J	1/6 W
R50		RD14BB2C470J	RES.CARBON	47	J	1/6 W
R51		RD14BB2E220J	RES.CARBON	22	J	1/4 W
R52		RD14BB2E220J	RES.CARBON	22	J	1/4 W
R53		RD14BB2C1R0J	RES.CARBON	1	J	1/6 W
R54		RD14BB2C1R0J	RES.CARBON	1	J	1/6 W
R55		RD14BB2E121J	RES.CARBON	120	J	1/4 W
R56		RD14BB2E121J	RES.CARBON	120	J	1/4 W
R57		RD14BB2C103J	RES.CARBON	10K	J	1/6 W
R58		RD14BB2C333J	RES.CARBON	33K	J	1/6 W
R59		RD14BB2C153J	RES.CARBON	15K	J	1/6 W
R61		RD14BB2C431J	RES.CARBON	430	J	1/6 W
R62		RD14BB2C431J	RES.CARBON	430	J	1/6 W
R63		RD14BB2C220J	RES.CARBON	22	J	1/6 W
R64		RD14BB2C220J	RES.CARBON	22	J	1/6 W
R65		RD14BB2C470J	RES.CARBON	47	J	1/6 W
R66		RD14BB2C470J	RES.CARBON	47	J	1/6 W
R67		RD14BB2C470J	RES.CARBON	47	J	1/6 W
R68		RD14BB2C470J	RES.CARBON	47	J	1/6 W
R69		RD14BB2C103J	RES.CARBON	10K	J	1/6 W
R73		R92-1567-05	RESISTOR	100	-	1 W
R74		R92-1567-05	RESISTOR	100	-	1 W
R75		R92-1566-05	RESISTOR	91	-	1 W
R76		R92-1566-05	RESISTOR	91	-	1 W
R77		R92-1566-05	RESISTOR	91	-	1 W
R78		R92-1566-05	RESISTOR	91	-	1 W
R79		RD14BB2E2R2J	RES.CARBON	2.2	J	1/4 W
R80		RD14BB2E2R2J	RES.CARBON	2.2	J	1/4 W
R81		RD14BB2C391J	RES.CARBON	390	J	1/6 W
R82		R92-1565-05	RESISTOR	27	-	1 W
R85		R92-2724-05	RESISTOR	390	J	2 W
R86		R92-2724-05	RESISTOR	390	J	2 W
R87		R92-2724-05	RESISTOR	390	J	2 W
R88		R92-2724-05	RESISTOR	390	J	2 W
R89		R92-2724-05	RESISTOR	390	J	2 W
R90		R92-2724-05	RESISTOR	390	J	2 W
R91		R92-2724-05	RESISTOR	390	J	2 W
R92		R92-2724-05	RESISTOR	390	J	2 W
R93		RD14BB2C161J	RES.CARBON	160	J	1/6 W
R95		RD14BB2C161J	RES.CARBON	160	J	1/6 W
R97		RD14BB2C104J	RES.CARBON	100K	J	1/6 W
R98		RD14BB2C104J	RES.CARBON	100K	J	1/6 W
R100		RD14BB2C622J	RES.CARBON	6.2K	J	1/6 W
R101		RD14BB2C622J	RES.CARBON	6.2K	J	1/6 W
R102		RD14BB2C203J	RES.CARBON	20K	J	1/6 W
R103		RD14BB2C203J	RES.CARBON	20K	J	1/6 W
R203		RD14BB2C331J	RES.CARBON	330	J	1/6 W
R204		RD14BB2C331J	RES.CARBON	330	J	1/6 W
R205		RD14BB2C272J	RES.CARBON	2.7K	J	1/6 W
R207		RD14BB2C201J	RES.CARBON	200	J	1/6 W
R208		RD14BB2C100J	RES.CARBON	10	J	1/6 W

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R209		RD14BB2C151J	RES.CARBON	150	J	1/6 W
R210		RD14BB2C470J	RES.CARBON	47	J	1/6 W
R211		RD14BB2C104J	RES.CARBON	100K	J	1/6 W
R212		RD14BB2C101J	RES.CARBON	100	J	1/6 W
R213		RD14BB2E223J	RES.CARBON	22K	J	1/4 W
R214		RD14BB2E223J	RES.CARBON	22K	J	1/4 W
R215		RD14BB2C100J	RES.CARBON	10	J	1/6 W
R216		RD14BB2C222J	RES.CARBON	2.2K	J	1/6 W
R217		RD14BB2C222J	RES.CARBON	2.2K	J	1/6 W
R218		RD14BB2C241J	RES.CARBON	240	J	1/6 W
R219		RD14BB2C161J	RES.CARBON	160	J	1/6 W
R801		RN14BK2C36R0F	RES. METAL FILM	36	F	1/6 W
R901		RN14BK2C33R0F	RES. METAL FILM	33	F	1/6 W
TC1		C05-0470-05	CAP. CERAMIC	20P	-	-
TC62		C05-0473-05	CAP. CERAMIC	120P	-	-
TH1		112-103-2FM	THERMISTOR			
TH15		R92-1579-05	TEMP.COEFFICIENT RESI			
TH16		R92-1579-05	TEMP.COEFFICIENT RESI			
VR1		R12-1857-05	RES. SEMI FIXED	1K	-	
VR3		R12-1860-05	RES. SEMI FIXED	1K	-	
VR4		R12-0679-05	RES. SEMI FIXED	22K	-	
VR801		R12-0565-05	RES. SEMI FIXED	100	-	
WH5		E38-0997-05	LEAD WIRE WITH CONNEC			
WH7		E38-0998-05	LEAD WIRE WITH CONNEC			
WH13		E38-1575-05	LEAD WIRE WITH CONNEC			

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Ref. No	Address	Parts No.	Description			
CS-5355 HORIZONTAL UNIT(X74-1620-01)						
		J73-0469-02	PCB(UNMOUNTED)			
C1		CK73FB1E104K	RES. CHIP (2X1.25)	0.1U	K	25 V
C2		CE04HW1H2R2M	CAP. ELECTRO	2.2U	M	50 V
C3		CE04HW1H2R2M	CAP. ELECTRO	2.2U	M	50 V
C5		CK73FB1H103K	RES. CHIP (2X1.25)	0.01U	K	50 V
C6		CC73FCH1H010C	RES. CHIP (2X1.25)	1P	C	50 V
C7		CE04HW1E220M	CAP. ELECTRO	22U	M	25 V
C8		CE04LW1E100M	CAP. ELECTRO	10U	M	25 V
C9		CC73FCH1H101J	RES. CHIP (2X1.25)	100P	J	50 V
C10		CK73FB1H103K	RES. CHIP (2X1.25)	0.01U	K	50 V
C11		CK73FB1H103K	RES. CHIP (2X1.25)	0.01U	K	50 V
C12		CE04LW1E100M	CAP. ELECTRO	10U	M	25 V
C13		CE04LW1C100M	CAP. ELECTRO	10U	M	16 V
C14		CC73FCH1H680J	RES. CHIP (2X1.25)	68P	J	50 V
C15		CC73FCH1H020C	RES. CHIP (2X1.25)	2P	C	50 V
C16		CE04LW1C331M	CAP. ELECTRO	330U	M	16 V
C17		CK73FB1H223K	RES. CHIP (2X1.25)	0.022U	K	50 V
C18		CC73FCH1H221J	CAP.CERAMIC	220P	J	50 V
C19		CE04LW1H010M	CAP. ELECTRO	1U	M	50 V
C20		CC73FCH1H220J	RES. CHIP (2X1.25)	22P	J	50 V
C21		CK73FB1H103K	RES. CHIP (2X1.25)	0.01U	K	50 V
C22		CE04LW1H010M	CAP. ELECTRO	1U	M	50 V
C24		CK73FB1H682K	RES. CHIP (2X1.25)	6800P	K	50 V
C28		CE04LW0J331M	CAP. ELECTRO	330U	M	6.3 V
C29		CC73FCH1H040C	RES. CHIP (2X1.25)	4P	C	50 V
C30		CE04LW1A101M	CAP. ELECTRO	100U	M	10 V
C31		CK73FB1E104K	RES. CHIP (2X1.25)	0.1U	K	25 V
C32		CK73FB1H332K	RES. CHIP (2X1.25)	3300P	K	50 V
C33		CC73FSL1H102J	RES. CHIP (2X1.25)	1000P	J	50 V
C34		CK73FB1E104K	RES. CHIP (2X1.25)	0.1U	K	25 V
C35		CC73FCH1H010C	RES. CHIP (2X1.25)	1P	C	50 V
C36		CC73FCH1H101J	RES. CHIP (2X1.25)	100P	J	50 V
C37		CK73FB1E104K	RES. CHIP (2X1.25)	0.1U	K	25 V
C38		CK73FB1H223K	RES. CHIP (2X1.25)	0.022U	K	50 V
C101		CC73FCH1H470J	RES. CHIP (2X1.25)	47P	J	50 V
C102		CC73FCH1H470J	RES. CHIP (2X1.25)	47P	J	50 V
C103		CC73FCH1H470J	RES. CHIP (2X1.25)	47P	J	50 V
C104		CE04LW1A470M	CAP. ELECTRO	47U	M	10 V
C105		CC73FCH1H101J	RES. CHIP (2X1.25)	100P	J	50 V
C106		CK73FB1H103K	RES. CHIP (2X1.25)	0.01U	K	50 V
C107		CK73FB1E104K	RES. CHIP (2X1.25)	0.1U	K	25 V
C108		CK73FB1E104K	RES. CHIP (2X1.25)	0.1U	K	25 V
C109		CK73FB1H332K	RES. CHIP (2X1.25)	3300P	K	50 V
C110		CE04LW0J331M	CAP. ELECTRO	330U	M	6.3 V
C111		CK73FB1E104K	RES. CHIP (2X1.25)	0.1U	K	25 V
C112		CC73FSL1H102J	RES. CHIP (2X1.25)	1000P	J	50 V
C113		CC73FCH1H470J	RES. CHIP (2X1.25)	47P	J	50 V
C114		CC73FCH1H470J	RES. CHIP (2X1.25)	47P	J	50 V
C115		CE04HW1H2R2M	CAP. ELECTRO	2.2U	M	50 V
C116		CK73FB1E104K	RES. CHIP (2X1.25)	0.1U	K	25 V
C117		CC73FSL1H102J	RES. CHIP (2X1.25)	1000P	J	50 V
C118		CC73FSL1H102J	RES. CHIP (2X1.25)	1000P	J	50 V
C119		CE04LW1C470M	CAP. ELECTRO	47U	M	16 V
C120		CE04LW1H010M	CAP. ELECTRO	1U	M	50 V
C121		CE04LW0J331M	CAP. ELECTRO	330U	M	6.3 V

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C122		CC73FCH1H101J	RES. CHIP (2X1.25)	100P	J	50 V
C123		CE04LW1C101M	CAP. ELECTRO	100U	M	16 V
C124		CK73FB1E104K	RES. CHIP (2X1.25)	0.1U	K	25 V
C125		CC73FCH1H330J	RES. CHIP (2X1.25)	33P	J	50 V
C126		C91-2582-05	CAP. FILM	0.47U	-	100 V
C127		CK73FB1E104K	RES. CHIP (2X1.25)	0.1U	K	25 V
C128		CC73FCH1H330J	RES. CHIP (2X1.25)	33P	J	50 V
C129		C91-2582-05	CAP. FILM	0.47U	-	100 V
C130		CE04LW1C101M	CAP. ELECTRO	100U	M	16 V
C131		CE04LW1C101M	CAP. ELECTRO	100U	M	16 V
C132		CC73FCH1H220J	RES. CHIP (2X1.25)	22P	J	50 V
C133		CC73FCH1H220J	RES. CHIP (2X1.25)	22P	J	50 V
C134		CC73FCH1H331J	RES. CHIP (2X1.25)	330P	J	50 V
C135		CK73FB1H103K	RES. CHIP (2X1.25)	0.01U	K	50 V
C136		CC73FCH1H391J	RES. CHIP (2X1.25)	390P	J	50 V
C137		CC73FCH1H680J	RES. CHIP (2X1.25)	68P	J	50 V
C138		CC73FCH1H100D	RES. CHIP (2X1.25)	10P	D	50 V
C139		CK73FB1H103K	RES. CHIP (2X1.25)	0.01U	K	50 V
C140		CC73FCH1H121J	RES. CHIP (2X1.25)	120P	J	50 V
C141		CK73FB1H103K	RES. CHIP (2X1.25)	0.01U	K	50 V
C142		CK73FB1H152K	RES. CHIP (2X1.25)	1500P	K	50 V
C143		CK73FB1H103K	RES. CHIP (2X1.25)	0.01U	K	50 V
C144		CE04LW0J331M	CAP. ELECTRO	330U	M	6.3 V
C145		CE04LW0J331M	CAP. ELECTRO	330U	M	6.3 V
C146		CK73FB1H103K	RES. CHIP (2X1.25)	0.01U	K	50 V
C147		CC73FCH1H390J	RES. CHIP (2X1.25)	39P	J	50 V
C148		CK73FB1E104K	RES. CHIP (2X1.25)	0.1U	K	25 V
C149		CC73FCH1H070D	RES. CHIP (2X1.25)	7P	D	50 V
C150		CC73FCH1H030C	RES. CHIP (2X1.25)	3P	C	50 V
C151		CC73FCH1H150J	RES. CHIP (2X1.25)	15P	J	50 V
C152		CC73FCH1H101J	RES. CHIP (2X1.25)	100P	J	50 V
C153		CC73FCH1H330J	RES. CHIP (2X1.25)	33P	J	50 V
C154		CK73FB1E104K	RES. CHIP (2X1.25)	0.1U	K	25 V
C155		C91-2694-05	CAP. FILM	4700P	-	100 V
C156		C91-2694-05	CAP. FILM	4700P	-	100 V
C157		CC73FCH1H101J	RES. CHIP (2X1.25)	100P	J	50 V
C158		CC73FCH1H101J	RES. CHIP (2X1.25)	100P	J	50 V
C159		CC73FCH1H100D	RES. CHIP (2X1.25)	10P	D	50 V
C301		CE04HW0J470M	CAP. ELECTRO	47U	M	6.3 V
C302		CE04LW0J331M	CAP. ELECTRO	330U	M	6.3 V
C304		CC73FCH1H470J	RES. CHIP (2X1.25)	47P	J	50 V
C305		CE04LW1A221M	CAP. ELECTRO	220U	M	10 V
C306		CK73FB1H103K	RES. CHIP (2X1.25)	0.01U	K	50 V
C307		CE04LW0J331M	CAP. ELECTRO	330U	M	6.3 V
C308		CK73FB1E104K	RES. CHIP (2X1.25)	0.1U	K	25 V
C309		CC73FCH1H101J	RES. CHIP (2X1.25)	100P	J	50 V
C310		CK73FB1E104K	RES. CHIP (2X1.25)	0.1U	K	25 V
C311		CE04LW1C101M	CAP. ELECTRO	100U	M	16 V
C312		CK73FB1H103K	RES. CHIP (2X1.25)	0.01U	K	50 V
C313		CC73FCH1H821J	RES. CHIP (2X1.25)	820P	J	50 V
C314		CC73FCH1H050C	RES. CHIP (2X1.25)	5P	C	50 V
C315		CC73FCH1H180J	RES. CHIP (2X1.25)	18P	J	50 V
C316		CE04HW0J101M	CAP. ELECTRO	100U	M	6.3 V
C317		CK73FB1H103K	RES. CHIP (2X1.25)	0.01U	K	50 V
C318		CK73FB1H103K	RES. CHIP (2X1.25)	0.01U	K	50 V

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C319		CK45FB2H152K	CERAMIC CAPACITOR 1500P K 500 V
C320		C91-2585-05	CAP. FILM 0.01U - 250 V
C321		C91-2585-05	CAP. FILM 0.01U - 250 V
C322		CE04EW2E010M	CAP. ELECTRO 1U M 250 V
C323		C91-2587-05	CAP. FILM 0.1U - 250 V
C324		C91-2587-05	CAP. FILM 0.1U - 250 V
C325		CK73FB1H103K	RES. CHIP (2X1.25) 0.01U K 50 V
C326		CE04HW1E4R7M	CAP. ELECTRO 4.7U M 25 V
C327		CC73FCH1H180J	RES. CHIP (2X1.25) 18P J 50 V
C328		CC73FSL1H102J	RES. CHIP (2X1.25) 1000P J 50 V
C329		CC73FCH1H270J	RES. CHIP (2X1.25) 27P J 50 V
C330		CC45FCH2H010C	CAP. CERAMIC 1P C 500 V
C331		CC45FCH2H010C	CAP. CERAMIC 1P C 500 V
C332		CC45FCH2H020C	CAP. CERAMIC 2P C 500 V
C333		CC45FCH2H010C	CAP. CERAMIC 1P C 500 V
C334		CC45FCH2H010C	CAP. CERAMIC 1P C 500 V
C335		CC73FSL1H102J	RES. CHIP (2X1.25) 1000P J 50 V
C337		CE04HW1H010M	CAP. ELECTRO 1U M 50 V
C501		CK73FB1H103K	RES. CHIP (2X1.25) 0.01U K 50 V
C502		CK73FB1H103K	RES. CHIP (2X1.25) 0.01U K 50 V
C503		CK73FB1H103K	RES. CHIP (2X1.25) 0.01U K 50 V
C901		CK73FB1E104K	RES. CHIP (2X1.25) 0.1U K 25 V
CN7		E40-7519-05	CONNECTOR 4P
CN10		E40-5218-05	CONNECTOR 16P
CN15		E40-5067-05	CONNECTOR 10P
CN24		E40-7517-05	CONNECTOR 5P
CN25		E40-5220-05	CONNECTOR 12P
CN29		E40-3242-05	CONNECTOR 7P
CN670		E40-7519-05	CONNECTOR 4P
D1		RB751V-40	DIODE
D2		RB751V-40	DIODE
D3		DAP202K	DIODE
D4		MA111	DIODE
D5		MA111	DIODE
D6		RB751V-40	DIODE
D7		RB751V-40	DIODE
D8		RB751V-40	DIODE
D9		MA111	DIODE
D10		DAN202K	DIODE
D12		MA111	DIODE
D13		RB751V-40	DIODE
D14		RB751V-40	DIODE
D15		MA111	DIODE
D16		DAP202K	DIODE
D17		RB751V-40	DIODE
D18		RB751V-40	DIODE
D101		MA111	DIODE
D102		RB751V-40	DIODE
D103		MA111	DIODE
D104		DAP202K	DIODE
D105		RB751V-40	DIODE
D106		RB751V-40	DIODE
D107		MA111	DIODE
D108		MA111	DIODE
D109		DAP202K	DIODE

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D110		MA111	DIODE
D111		MA111	DIODE
D112		MA111	DIODE
D113		DAP202K	DIODE
D114		DAP202K	DIODE
D115		MA111	DIODE
D116		MA111	DIODE
D117		MA111	DIODE
D118		DAN202K	DIODE
D119		MA111	DIODE
D120		DAP202K	DIODE
D121		MA111	DIODE
D122		DAP202K	DIODE
D123		MA111	DIODE
D124		MA111	DIODE
D125		MA111	DIODE
D126		RB751V-40	DIODE
D127		RB751V-40	DIODE
D301		RB751V-40	DIODE
D302		MA111	DIODE
D303		MA111	DIODE
D304		UDZ3.0B	DIODE,ZENER
D305		MA111	DIODE
D306		UDZ3.0B	DIODE,ZENER
D307		MA111	DIODE
D308		MA111	DIODE
D309		MA111	DIODE
D310		RB751V-40	DIODE
D311		TLR112	LED; RED
D312		TLR112	LED; RED
D313		RB751V-40	DIODE
D314		UDZ5.1B	DIODE,ZENER
D801		MA700	DIODE
IC1		TC4053BF	IC, TRIPLE 2CH MPX/DE-MPX
IC2		NJM072M	IC, DUAL OP AMP
IC3		MC10H102P	IC, QUAL 2-INPUT NOR GATE
IC101		NJM4558V	IC, DUAL OP AMP
IC102		KMX03	HIC
IC103		KMX03	HIC
IC104		TC4053BF	IC, TRIPLE 2CH MPX/DE-MPX
IC105		TC4053BF	IC, TRIPLE 2CH MPX/DE-MPX
IC106		SN74ALS02ANS	IC, QUAD 2-INPUT POSI. NOR GATE
IC107		SN74ALS74ANS	IC, DUAL D-F.F. (WITH PR & CLR)
IC108		MC10H131P	IC, DUAL D -MASTER-SLAVE F.F.
IC109		TC4052BF	IC, DIFFERENTAL 4CH MPX/DE-MPX
IC110		TC4052BF	IC, DIFFERENTAL 4CH MPX/DE-MPX
IC111		UPC812G	IC, DUAL J-FET INPUT OP AMP
IC112		UPC812G	IC, DUAL J-FET INPUT OP AMP
IC113		KMX04	HIC
IC114		KMX04	HIC
IC115		SN74ALS74ANS	IC, DUAL D-F.F. (WITH PR & CLR)
IC116		TC74HC4053AF	IC, TRIPLE 2CH ANALOG MPX
IC301		TC74HC4053AF	IC, TRIPLE 2CH ANALOG MPX
IC501		NJM2901V	IC, QUAD SINGLE SUPPLY COMPARATOR
IC502		NJM2901V	IC, QUAD SINGLE SUPPLY COMPARATOR

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IC503		NJM2901V	IC, AUAD SINGLE SUPPLY COMPARATOR
IC504		SN74ALS00ANS	IC, QUAD 2-INPUT POSI NAND GATE
IC505		TC74HC00AF	IC, QUAD 2-INPUT POSI NAND GATE
IC506		TC74HC00AF	IC, QUAD 2-INPUT POSI NAND GATE
IC507		TC74HC08AF	IC, QUAD 2-INPUT NAND GATE
K301		S76-0027-05	RELAY
L101		L79-0553-05	FILTER
P1		E23-1520-05	GROUND TERMINAL
P2		E23-1520-05	GROUND TERMINAL
P3		E23-1520-05	GROUND TERMINAL
P4		E23-1520-05	GROUND TERMINAL
Q1		2SA1738(R)	TR.SI, PNP
Q2		2SC2735	TR.SI, NPN
Q3		2SA1738(R)	TR.SI, PNP
Q4		2SC2412K(R,S)	TR.SI, NPN
Q5		2SC2412K(R,S)	TR.SI, NPN
Q6		2SC2412K(R,S)	TR.SI, NPN
Q7		2SA1226(E4)	TR.SI, PNP
Q8		2SC2714(O)	TR.SI, NPN
Q9		2SC2412K(R,S)	TR.SI, NPN
Q10		2SC2714(O)	TR.SI, NPN
Q11		2SC3775(3)	TR.SI, NPN
Q12		2SC3775(3)	TR.SI, NPN
Q13		2SC2412K(R,S)	TR.SI, NPN
Q14		2SA1226(E4)	TR.SI, PNP
Q16		2SA1738(R)	TR.SI, PNP
Q17		2SA1037K(R,S)	TR.SI, PNP
Q18		2SA1037K(R,S)	TR.SI, PNP
Q19		2SA1037K(R,S)	TR.SI, PNP
Q20		2SA1738(R)	TR.SI, PNP
Q21		2SC2412K(R,S)	TR.SI, NPN
Q22		2SC2412K(R,S)	TR.SI, NPN
Q23		2SC2412K(R,S)	TR.SI, NPN
Q24		2SC2412K(R,S)	TR.SI, NPN
Q25		2SC2735	TR.SI, NPN
Q26		2SA1738(R)	TR.SI, PNP
Q101		2SC2412K(R,S)	TR.SI, NPN
Q102		2SC2412K(R,S)	TR.SI, NPN
Q103		2SA1738(R)	TR.SI, PNP
Q104		2SA1037K(R,S)	TR.SI, PNP
Q105		FMW1	TR.SI,
Q106		2SA1226(E4)	TR.SI, PNP
Q107		2SA1226(E4)	TR.SI, PNP
Q108		2SC2412K(R,S)	TR.SI, NPN
Q109		2SA1037K(R,S)	TR.SI, PNP
Q110		2SC3115(D27)	TR.SI, NPN
Q111		2SC3115(D27)	TR.SI, NPN
Q112		2SA1226(E4)	TR.SI, PNP
Q113		2SA1226(E4)	TR.SI, PNP
Q114		2SC2412K(R,S)	TR.SI, NPN
Q115		2SA1037K(R,S)	TR.SI, PNP
Q116		2SA1037K(R,S)	TR.SI, PNP
Q117		2SK209(Y)	FET, N-CHANNEL
Q118		2SC2412K(R,S)	TR.SI, NPN
Q119		2SK209(Y)	FET, N-CHANNEL

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Ref. No	Address	Parts No.	Description			
Q120		2SC2412K(R,S)	TR.SI, NPN			
Q121		2SK209(BL)	FET, N-CHANNEL			
Q122		2SK209(BL)	FET, N-CHANNEL			
Q123		2SC2735	TR.SI, NPN			
Q124		2SC2412K(R,S)	TR.SI, NPN			
Q125		2SC2735	TR.SI, NPN			
Q126		2SA1037K(R,S)	TR.SI, PNP			
Q127		2SA1037K(R,S)	TR.SI, PNP			
Q128		2SC2714(O)	TR.SI, NPN			
Q129		2SC2735	TR.SI, NPN			
Q130		2SC2735	TR.SI, NPN			
Q131		2SC2714(O)	TR.SI, NPN			
Q132		2SA1037K(R,S)	TR.SI, PNP			
Q133		2SA1037K(R,S)	TR.SI, PNP			
Q134		2SC2714(O)	TR.SI, NPN			
Q135		2SC2714(O)	TR.SI, NPN			
Q136		2SA1226(E4)	TR.SI, PNP			
Q137		2SA1037K(R,S)	TR.SI, PNP			
Q138		2SA1226(E4)	TR.SI, PNP			
Q139		2SA1226(E4)	TR.SI, PNP			
Q140		2SA1226(E4)	TR.SI, PNP			
Q141		2SA1226(E4)	TR.SI, PNP			
Q142		2SC2412K(R,S)	TR.SI, NPN			
Q143		2SA1037K(R,S)	TR.SI, NPN			
Q144		2SA1738(R)	TR.SI, PNP			
Q145		2SC2412K(R,S)	TR.SI, NPN			
Q146		2SC2714(O)	TR.SI, NPN			
Q147		2SC2714(O)	TR.SI, NPN			
Q148		2SC2412K(R,S)	TR.SI, NPN			
Q149		2SK209(BL)	FET, N-CHANNEL			
Q150		2SC2412K(R,S)	TR.SI, NPN			
Q151		2SK209(BL)	FET, N-CHANNEL			
Q301		2SC2412K(R,S)	TR.SI, NPN			
Q302		2SC2412K(R,S)	TR.SI, NPN			
Q303		2SC2412K(R,S)	TR.SI, NPN			
Q304		2SC2412K(R,S)	TR.SI, NPN			
Q305		2SA1037K(R,S)	TR.SI, PNP			
Q306		2SA1037K(R,S)	TR.SI, PNP			
Q307		2SA1226(E4)	TR.SI, PNP			
Q308		2SA1226(E4)	TR.SI, PNP			
Q309		2SC2412K(R,S)	TR.SI, NPN			
Q310		2SC2412K(R,S)	TR.SI, NPN			
Q311		2SC2735	TR.SI, NPN			
Q312		2SC2735	TR.SI, NPN			
Q313		2SA1738(R)	TR.SI, PNP			
Q314		2SC2735	TR.SI, NPN			
Q315		2SC2735	TR.SI, NPN			
Q316		2SA1738(R)	TR.SI, PNP			
Q317		2SC4732(E)	TR.SI, NPN			
Q318		2SC4732(E)	TR.SI, NPN			
Q319		2SC2551(O)	TR.SI, NPN			
Q320		2SA1828(E)	TR.SI, PNP			
Q321		2SA1828(E)	TR.SI, PNP			
R1		RK73FB2A105J	RES. METAL GLACE	1M	J	1/10 W
R2		RK73FB2A105J	RES. METAL GLACE	1M	J	1/10 W

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Ref. No	Address	Parts No.	Description			
R3		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R4		RK73FB2A105J	RES. CHIP (2X1.25)	1M	J	1/10 W
R5		RK73FB2A105J	RES. CHIP (2X1.25)	1M	J	1/10 W
R6		RK73FB2A153J	RES. CHIP (2X1.25)	15K	J	1/10 W
R7		RK73FB2A753J	RES. CHIP (2X1.25)	75K	J	1/10 W
R8		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R9		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R10		RK73FB2A393J	RES. CHIP (2X1.25)	39K	J	1/10 W
R11		RK73FB2A151J	RES. CHIP (2X1.25)	150	J	1/10 W
R12		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R13		RK73FB2A104J	RES. CHIP (2X1.25)	100K	J	1/10 W
R14		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R15		RK73FB2A221J	RES. CHIP (2X1.25)	220	J	1/10 W
R16		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R17		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R18		RK73FB2A822J	RES. CHIP (2X1.25)	8.2K	J	1/10 W
R19		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R20		RK73FB2A153J	RES. CHIP (2X1.25)	15K	J	1/10 W
R21		RK73FB2A682J	RES. CHIP (2X1.25)	6.8K	J	1/10 W
R22		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R23		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R24		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R25		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R26		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R27		RK73FB2A473J	RES. CHIP (2X1.25)	47K	J	1/10 W
R28		RK73FB2A393J	RES. CHIP (2X1.25)	39K	J	1/10 W
R29		RK73FB2A751J	RES. CHIP (2X1.25)	750	J	1/10 W
R30		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R31		RK73FB2A123J	RES. CHIP (2X1.25)	12K	J	1/10 W
R32		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R33		RK73FB2A104J	RES. CHIP (2X1.25)	100K	J	1/10 W
R34		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R35		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R36		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R37		RK73FB2A104J	RES. CHIP (2X1.25)	100K	J	1/10 W
R38		RK73FB2A821J	RES. CHIP (2X1.25)	820	J	1/10 W
R39		RK73FB2A622J	RES. CHIP (2X1.25)	6.2K	J	1/10 W
R40		RK73FB2A221J	RES. CHIP (2X1.25)	220	J	1/10 W
R41		RN73FH2A182D	RES. METAL FILM	1.8K	D	1/10 W
R42		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R43		RK73FB2A221J	RES. CHIP (2X1.25)	220	J	1/10 W
R44		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R45		RK73FB2A272J	RES. CHIP (2X1.25)	2.7K	J	1/10 W
R46		RK73FB2A331J	RES. CHIP (2X1.25)	330	J	1/10 W
R47		RK73FB2A750J	RES. CHIP (2X1.25)	75	J	1/10 W
R48		RK73FB2A750J	RES. CHIP (2X1.25)	75	J	1/10 W
R49		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R50		RK73FB2A680J	RES. CHIP (2X1.25)	68	J	1/10 W
R51		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R52		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R53		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R54		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R55		RK73FB2A122J	RES. CHIP (2X1.25)	1.2K	J	1/10 W
R56		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R57		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W

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R58		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R61		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R62		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R63		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R64		RK73FB2A132J	RES. CHIP (2X1.25)	1.3K	J	1/10 W
R65		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R66		RK73FB2A391J	RES. CHIP (2X1.25)	390	J	1/10 W
R67		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R68		RK73FB2A621J	RES. CHIP (2X1.25)	620	J	1/10 W
R69		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R70		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R71		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R72		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R73		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R74		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R75		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R76		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R77		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R78		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R79		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R80		RK73FB2A473J	RES. CHIP (2X1.25)	47K	J	1/10 W
R81		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R82		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R83		RK73FB2A153J	RES. CHIP (2X1.25)	15K	J	1/10 W
R84		RN73FH2A184D	RES. CHIP (2X1.25)	180K	D	1/10 W
R85		RN73FH2A184D	RES. CHIP (2X1.25)	180K	D	1/10 W
R86		RK73FB2A132J	RES. CHIP (2X1.25)	1.3K	J	1/10 W
R87		RK73FB2A391J	RES. CHIP (2X1.25)	390	J	1/10 W
R88		RK73FB2A473J	RES. CHIP (2X1.25)	47K	J	1/10 W
R101		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R102		RK73FB2A303J	RES. CHIP (2X1.25)	30K	J	1/10 W
R103		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R104		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R105		RN73FH2A153D	RES. CHIP (2X1.25)	15K	D	1/10 W
R106		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R107		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R108		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R109		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R110		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R111		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R112		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R113		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R114		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R115		RK73FB2A471J	RES. CHIP (2X1.25)	470	J	1/10 W
R116		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R117		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R118		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R119		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R120		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R121		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R122		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R123		RK73FB2A473J	RES. CHIP (2X1.25)	47K	J	1/10 W
R124		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R125		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R126		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W

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R127		RK73FB2A330J	RES. CHIP (2X1.25)	33	J	1/10 W
R128		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R129		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R130		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R131		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R132		RK73FB2A684J	RES. CHIP (2X1.25)	680K	J	1/10 W
R133		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R134		RK73FB2A132J	RES. CHIP (2X1.25)	1.3K	J	1/10 W
R135		RK73FB2A243J	RES. CHIP (2X1.25)	24K	J	1/10 W
R136		RK73FB2A120J	RES. CHIP (2X1.25)	12	J	1/10 W
R137		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R138		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R139		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R140		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R141		RK73FB2A104J	RES. CHIP (2X1.25)	100K	J	1/10 W
R142		RK73FB2A100J	RES. CHIP (2X1.25)	10	J	1/10 W
R143		RK73FB2A100J	RES. CHIP (2X1.25)	10	J	1/10 W
R144		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R145		RK73FB2A272J	RES. CHIP (2X1.25)	2.7K	J	1/10 W
R146		RK73FB2A272J	RES. CHIP (2X1.25)	2.7K	J	1/10 W
R147		RK73FB2A682J	RES. CHIP (2X1.25)	6.8K	J	1/10 W
R148		RN73FH2A183D	RES. CHIP (2X1.25)	18K	D	1/10 W
R149		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R150		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R151		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R152		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R153		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R154		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R155		RN73FH2A182D	RES. CHIP (2X1.25)	1.8K	D	1/10 W
R156		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R157		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R158		RN73FH2A182D	RES. CHIP (2X1.25)	1.8K	D	1/10 W
R159		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R160		RN73FH2A131D	RES. CHIP (2X1.25)	130	D	1/10 W
R161		RK73FB2A822J	RES. CHIP (2X1.25)	8.2K	J	1/10 W
R162		RK73FB2A822J	RES. CHIP (2X1.25)	8.2K	J	1/10 W
R163		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R164		RK73FB2A302J	RES. CHIP (2X1.25)	3K	J	1/10 W
R165		RK73FB2A302J	RES. CHIP (2X1.25)	3K	J	1/10 W
R166		RN73FH2A182D	RES. CHIP (2X1.25)	1.8K	D	1/10 W
R167		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R168		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R169		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R170		RK73FB2A562J	RES. CHIP (2X1.25)	5.6K	J	1/10 W
R171		RK73FB2A362J	RES. CHIP (2X1.25)	3.6K	J	1/10 W
R172		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R173		RK73FB2A123J	RES. CHIP (2X1.25)	12K	J	1/10 W
R174		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R175		RK73FB2A123J	RES. CHIP (2X1.25)	12K	J	1/10 W
R176		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R177		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R178		RK73FB2A680J	RES. CHIP (2X1.25)	68	J	1/10 W
R179		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R180		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R181		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W

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Ref. No	Address	Parts No.	Description			
R182		RN73FH2A131D	RES. CHIP (2X1.25)	130	D	1/10 W
R183		RK73FB2A332J	RES. CHIP (2X1.25)	3.3K	J	1/10 W
R184		RN73FH2A182D	RES. CHIP (2X1.25)	1.8K	D	1/10 W
R185		RN73FH2A131D	RES. CHIP (2X1.25)	130	D	1/10 W
R186		RK73FB2A680J	RES. CHIP (2X1.25)	68	J	1/10 W
R187		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R188		RK73FB2A332J	RES. CHIP (2X1.25)	3.3K	J	1/10 W
R189		RK73FB2A303J	RES. CHIP (2X1.25)	30K	J	1/10 W
R190		RN73FH2A272D	RES. CHIP (2X1.25)	2.7K	D	1/10 W
R191		RN73FH2A183D	RES. CHIP (2X1.25)	18K	D	1/10 W
R192		RN73FH2A272D	RES. CHIP (2X1.25)	2.7K	D	1/10 W
R193		RN73FH2A183D	RES. CHIP (2X1.25)	18K	D	1/10 W
R194		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R195		RK73FB2A562J	RES. CHIP (2X1.25)	5.6K	J	1/10 W
R196		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R197		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R198		RK73FB2A432J	RES. CHIP (2X1.25)	4.3K	J	1/10 W
R199		RN73FH2A183D	RES. CHIP (2X1.25)	18K	D	1/10 W
R200		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R201		RK73FB2A432J	RES. CHIP (2X1.25)	4.3K	J	1/10 W
R202		RK73FB2A561J	RES. CHIP (2X1.25)	560	J	1/10 W
R203		RN73FH2A183D	RES. CHIP (2X1.25)	18K	D	1/10 W
R204		RK73FB2A561J	RES. CHIP (2X1.25)	560	J	1/10 W
R205		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R206		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R207		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R208		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R209		RK73FB2A471J	RES. CHIP (2X1.25)	470	J	1/10 W
R210		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R211		RK73FB2A622J	RES. CHIP (2X1.25)	6.2K	J	1/10 W
R212		RK73FB2A751J	RES. CHIP (2X1.25)	750	J	1/10 W
R213		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R214		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R215		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R216		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R217		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R218		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R219		RK73FB2A431J	RES. CHIP (2X1.25)	430	J	1/10 W
R220		RK73FB2A621J	RES. CHIP (2X1.25)	620	J	1/10 W
R221		RK73FB2A220J	RES. CHIP (2X1.25)	22	J	1/10 W
R222		RK73FB2A202J	RES. CHIP (2X1.25)	2K	J	1/10 W
R223		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R224		RK73FB2A202J	RES. CHIP (2X1.25)	2K	J	1/10 W
R225		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R226		RK73FB2A151J	RES. CHIP (2X1.25)	150	J	1/10 W
R227		RK73FB2A111J	RES. CHIP (2X1.25)	110	J	1/10 W
R228		RK73FB2A202J	RES. CHIP (2X1.25)	2K	J	1/10 W
R229		RK73FB2A242J	RES. CHIP (2X1.25)	2.4K	J	1/10 W
R230		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R231		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R232		RK73FB2A621J	RES. CHIP (2X1.25)	620	J	1/10 W
R233		RK73FB2A202J	RES. CHIP (2X1.25)	2K	J	1/10 W
R234		RK73FB2A682J	RES. CHIP (2X1.25)	6.8K	J	1/10 W
R235		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R236		RK73FB2A682J	RES. CHIP (2X1.25)	6.8K	J	1/10 W

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Ref. No	Address	Parts No.	Description			
R237		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R238		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R239		RK73FB2A152J	RES. CHIP (2X1.25)	1.5K	J	1/10 W
R240		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R241		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R242		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R243		RK73FB2A151J	RES. CHIP (2X1.25)	150	J	1/10 W
R244		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R245		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R246		RK73FB2A432J	RES. CHIP (2X1.25)	4.3K	J	1/10 W
R247		RK73FB2A152J	RES. CHIP (2X1.25)	1.5K	J	1/10 W
R248		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R249		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R250		RK73FB2A302J	RES. CHIP (2X1.25)	3K	J	1/10 W
R251		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R252		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R253		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R254		RK73FB2A303J	RES. CHIP (2X1.25)	30K	J	1/10 W
R255		RK73FB2A431J	RES. CHIP (2X1.25)	430	J	1/10 W
R256		RK73FB2A332J	RES. CHIP (2X1.25)	3.3K	J	1/10 W
R257		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R258		RK73FB2A471J	RES. CHIP (2X1.25)	470	J	1/10 W
R259		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R260		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R261		RK73FB2A182J	RES. CHIP (2X1.25)	1.8K	J	1/10 W
R263		RK73FB2A122J	RES. CHIP (2X1.25)	1.2K	J	1/10 W
R264		RK73FB2A301J	RES. CHIP (2X1.25)	300	J	1/10 W
R265		RK73FB2A302J	RES. CHIP (2X1.25)	3K	J	1/10 W
R266		RK73FB2A104J	RES. CHIP (2X1.25)	100K	J	1/10 W
R267		RK73FB2A153J	RES. CHIP (2X1.25)	15K	J	1/10 W
R268		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R269		RK73FB2A332J	RES. CHIP (2X1.25)	3.3K	J	1/10 W
R270		RK73FB2A104J	RES. CHIP (2X1.25)	100K	J	1/10 W
R271		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R272		RK73FB2A332J	RES. CHIP (2X1.25)	3.3K	J	1/10 W
R273		RN73FH2A103D	RES. CHIP (2X1.25)	10K	D	1/10 W
R274		RN73FH2A103D	RES. CHIP (2X1.25)	10K	D	1/10 W
R301		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R302		RK73FB2A202J	RES. CHIP (2X1.25)	2K	J	1/10 W
R303		RK73FB2A221J	RES. CHIP (2X1.25)	220	J	1/10 W
R304		RK73FB2A821J	RES. CHIP (2X1.25)	820	J	1/10 W
R305		RK73FB2A122J	RES. CHIP (2X1.25)	1.2K	J	1/10 W
R306		RK73FB2A223J	RES. CHIP (2X1.25)	22K	J	1/10 W
R307		RK73FB2A821J	RES. CHIP (2X1.25)	820	J	1/10 W
R308		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R309		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R310		RK73FB2A104J	RES. CHIP (2X1.25)	100K	J	1/10 W
R311		RN73FH2A242D	RES. CHIP (2X1.25)	2.4K	D	1/10 W
R312		RN73FH2A242D	RES. CHIP (2X1.25)	2.4K	D	1/10 W
R314		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R315		RK73FB2A362J	RES. CHIP (2X1.25)	3.6K	J	1/10 W
R316		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R317		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R318		RK73FB2A391J	RES. CHIP (2X1.25)	390	J	1/10 W
R319		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W

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Ref. No	Address	Parts No.	Description			
R320		RN73FH2A182D	RES. CHIP (2X1.25)	1.8K	D	1/10 W
R321		RK73FB2A202J	RES. CHIP (2X1.25)	2K	J	1/10 W
R322		RK73FB2A163J	RES. CHIP (2X1.25)	16K	J	1/10 W
R323		RN73FH2A132D	RES. CHIP (2X1.25)	1.3K	D	1/10 W
R324		RK73FB2A432J	RES. CHIP (2X1.25)	4.3K	J	1/10 W
R325		RK73FB2A823J	RES. CHIP (2X1.25)	82K	J	1/10 W
R326		RK73FB2A302J	RES. CHIP (2X1.25)	3K	J	1/10 W
R327		RK73FB2A153J	RES. CHIP (2X1.25)	15K	J	1/10 W
R328		RK73FB2A682J	RES. CHIP (2X1.25)	6.8K	J	1/10 W
R329		RK73FB2A242J	RES. CHIP (2X1.25)	2.4K	J	1/10 W
R330		RK73FB2A912J	RES. CHIP (2X1.25)	9.1K	J	1/10 W
R331		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R332		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R333		RK73FB2A301J	RES. CHIP (2X1.25)	300	J	1/10 W
R334		RK73FB2A391J	RES. CHIP (2X1.25)	390	J	1/10 W
R335		RK73FB2A391J	RES. CHIP (2X1.25)	390	J	1/10 W
R336		RK73FB2A472J	RES. CHIP (2X1.25)	4.7K	J	1/10 W
R337		RK73FB2A390J	RES. CHIP (2X1.25)	39	J	1/10 W
R338		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R339		RN73FH2A392D	RES. CHIP (2X1.25)	3.9K	D	1/10 W
R340		RN73FH2A622D	RES. CHIP (2X1.25)	6.2K	D	1/10 W
R341		RK73FB2A393J	RES. CHIP (2X1.25)	39K	J	1/10 W
R342		RK73FB2A181J	RES. CHIP (2X1.25)	180	J	1/10 W
R343		RK73FB2A431J	RES. CHIP (2X1.25)	430	J	1/10 W
R344		RN73FH2A122D	RES. CHIP (2X1.25)	1.2K	D	1/10 W
R345		RK73FB2A622J	RES. CHIP (2X1.25)	6.2K	J	1/10 W
R346		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R347		RK73FB2A432J	RES. CHIP (2X1.25)	4.3K	J	1/10 W
R348		RK73FB2A432J	RES. CHIP (2X1.25)	4.3K	J	1/10 W
R349		RK73FB2A470J	RES. CHIP (2X1.25)	47	J	1/10 W
R350		RK73FB2A122J	RES. CHIP (2X1.25)	1.2K	J	1/10 W
R351		RK73FB2A122J	RES. CHIP (2X1.25)	1.2K	J	1/10 W
R352		RK73FB2A243J	RES. CHIP (2X1.25)	24K	J	1/10 W
R353		RK73FB2A243J	RES. CHIP (2X1.25)	24K	J	1/10 W
R354		RK73FB2A394J	RES. CHIP (2X1.25)	390K	J	1/10 W
R355		RK73FB2A164J	RES. CHIP (2X1.25)	160K	J	1/10 W
R356		RK73FB2A362J	RES. CHIP (2X1.25)	3.6K	J	1/10 W
R357		RK73FB2A362J	RES. CHIP (2X1.25)	3.6K	J	1/10 W
R358		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R359		RK73FB2A152J	RES. CHIP (2X1.25)	1.5K	J	1/10 W
R360		RK73FB2A152J	RES. CHIP (2X1.25)	1.5K	J	1/10 W
R361		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R362		RK73FB2A104J	RES. CHIP (2X1.25)	100K	J	1/10 W
R363		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R364		R92-1558-05	RESISTOR	39K	-	1 W
R365		R92-1558-05	RESISTOR	39K	-	1 W
R366		RK73FB2A104J	RES. CHIP (2X1.25)	100K	J	1/10 W
R367		RK73FB2A473J	RES. CHIP (2X1.25)	47K	J	1/10 W
R368		RN73FH2A134D	RES. CHIP (2X1.25)	130K	D	1/10 W
R369		RK73FB2A473J	RES. CHIP (2X1.25)	47K	J	1/10 W
R370		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R371		RK73FB2A102J	RES. CHIP (2X1.25)	1K	J	1/10 W
R372		R92-1559-05	RESISTOR	47K	-	1 W
R373		R92-1559-05	RESISTOR	47K	-	1 W
R374		RN73FH2A682D	RES. CHIP (2X1.25)	6.8K	D	1/10 W

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⑬

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R375		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R376		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R377		RK73FB2A751J	RES. CHIP (2X1.25)	750	J	1/10 W
R378		RK73FB2A751J	RES. CHIP (2X1.25)	750	J	1/10 W
R379		RK73FB2A681J	RES. CHIP (2X1.25)	680	J	1/10 W
R380		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R381		RK73FB2A274J	RES. CHIP (2X1.25)	270K	J	1/10 W
R382		RK73FB2A362J	RES. CHIP (2X1.25)	3.6K	J	1/10 W
R383		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R384		RK73FB2A364J	RES. CHIP (2X1.25)	360K	J	1/10 W
R501		RK73FB2A163J	RES. CHIP (2X1.25)	16K	J	1/10 W
R502		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R503		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R504		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R505		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R506		RK73FB2A163J	RES. CHIP (2X1.25)	16K	J	1/10 W
R507		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R508		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R509		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R510		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R511		RK73FB2A163J	RES. CHIP (2X1.25)	16K	J	1/10 W
R512		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R513		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R514		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R515		RK73FB2A512J	RES. CHIP (2X1.25)	5.1K	J	1/10 W
R516		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R517		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R518		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R519		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R520		RK73FB2A222J	RES. CHIP (2X1.25)	2.2K	J	1/10 W
R521		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R522		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R523		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R524		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R525		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R526		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R527		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R528		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R529		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R530		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R531		RK73FB2A101J	RES. CHIP (2X1.25)	100	J	1/10 W
R532		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R533		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R534		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R535		RK73FB2A100J	RES. CHIP (2X1.25)	10	J	1/10 W
R536		RK73FB2A100J	RES. CHIP (2X1.25)	10	J	1/10 W
R537		RK73FB2A100J	RES. CHIP (2X1.25)	10	J	1/10 W
R538		RK73FB2A100J	RES. CHIP (2X1.25)	10	J	1/10 W
R700		RK73FB2A272J	RES. CHIP (2X1.25)	2.7K	J	1/10 W
R704		RK73FB2A103J	RES. CHIP (2X1.25)	10K	J	1/10 W
R990		R92-0670-05	JUMPER WIRE	0	-	1/10 W
R991		R92-0670-05	JUMPER WIRE	0	-	1/10 W
TC101		C05-0470-05	CAP. CERAMIC	20P	-	-
TC102		C05-0470-05	CAP. CERAMIC	20P	-	-
TC301		C05-0490-05	CAP. CERAMIC	20P	-	-

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Ref. No	Address	Parts No.	Description		
TH302		112-103-2FM	THERMISTOR		
TH384		R92-2723-05	TEMP.COEFFICIENT RESISTOR		
TH701		R92-1552-05	TEMP.COEFFICIENT RESISTOR		
TH702		R92-1560-05	TEMP.COEFFICIENT RESISTOR		
TH703		R92-2733-05	TEMP.COEFFICIENT RESISTOR		
VR1		R12-0680-05	RES. SEMI FIXED	47K	-
VR2		R12-0680-05	RES. SEMI FIXED	47K	-
VR101		R12-5569-05	RES. SEMI FIXED	100K	-
VR102		R12-3599-05	RES. SEMI FIXED	22K	-
VR103		R12-0680-05	RES. SEMI FIXED	47K	-
VR104		R12-1860-05	RES. SEMI FIXED	1K	-
VR105		R12-0694-05	RES. SEMI FIXED	4.7K	-
VR107		R12-5569-05	RES. SEMI FIXED	100K	-
VR108		R12-3599-05	RES. SEMI FIXED	22K	-
VR301		R12-0890-05	RES. SEMI FIXED	470	-
VR302		R12-0680-05	RES. SEMI FIXED	47K	-
VR303		R12-3597-05	RES. SEMI FIXED	47K	-
VR304		R12-0883-05	RES. SEMI FIXED	220	-
VR305		R12-0882-05	RES. SEMI FIXED	100	-
VR306		R12-0678-05	RES. SEMI FIXED	10K	-
VR307		R12-0694-05	RES. SEMI FIXED	4.7K	-
VR308		R12-6501-05	RES. SEMI FIXED	470K	-

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Ref. No	Address	Parts No.	Description			
CS-5375 HORIZONTAL UNIT(X74-1620-03)						
		J73-0469-02	PCB(UNMOUNTED)			
C1		CK73FB1E104K	CAP.CHIP (2X1.25)	0.1U	K	25 V
C2		CE04HW1H2R2M	CAP. ELECTRO	2.2U	M	50 V
C3		CE04HW1H2R2M	CAP. ELECTRO	2.2U	M	50 V
C5		CK73FB1H103K	CAP.CHIP (2X1.25)	0.01U	K	50 V
C6		CC73FCH1H010C	CAP.CHIP (2X1.25)	1P	C	50 V
C7		CE04HW1E220M	CAP. ELECTRO	22U	M	25 V
C8		CE04LW1E100M	CAP. ELECTRO	10U	M	25 V
C9		CC73FCH1H101J	CAP.CHIP (2X1.25)	100P	J	50 V
C10		CK73FB1H103K	CAP.CHIP (2X1.25)	0.01U	K	50 V
C11		CK73FB1H103K	CAP.CHIP (2X1.25)	0.01U	K	50 V
C12		CE04LW1E100M	CAP. ELECTRO	10U	M	25 V
C13		CE04LW1C100M	CAP. ELECTRO	10U	M	16 V
C14		CC73FCH1H680J	CAP.CHIP (2X1.25)	68P	J	50 V
C15		CC73FCH1H020C	CAP.CHIP (2X1.25)	2P	C	50 V
C16		CE04LW1C331M	CAP. ELECTRO	330U	M	16 V
C17		CK73FB1H223K	CAP.CHIP (2X1.25)	0.022U	K	50 V
C18		CC73FCH1H221J	CAP.CHIP (2X1.25)	220P	J	50 V
C19		CE04LW1H010M	CAP. ELECTRO	1U	M	50 V
C20		CC73FCH1H220J	CAP.CHIP (2X1.25)	22P	J	50 V
C21		CK73FB1H103K	CAP.CHIP (2X1.25)	0.01U	K	50 V
C22		CE04LW1H010M	CAP. ELECTRO	1U	M	50 V
C24		CK73FB1H682K	CAP.CHIP (2X1.25)	6800P	K	50 V
C28		CE04LW0J331M	CAP. ELECTRO	330U	M	6.3 V
C29		CC73FCH1H040C	CAP.CHIP (2X1.25)	4P	C	50 V
C30		CE04LW1A101M	CAP. ELECTRO	100U	M	10 V
C31		CK73FB1E104K	CAP.CHIP (2X1.25)	0.1U	K	25 V
C32		CK73FB1H332K	CAP.CHIP (2X1.25)	3300P	K	50 V
C33		CC73FSL1H102J	CAP.CHIP (2X1.25)	1000P	J	50 V
C34		CK73FB1E104K	CAP.CHIP (2X1.25)	0.1U	K	25 V
C35		CC73FCH1H010C	CAP.CHIP (2X1.25)	1P	C	50 V
C36		CC73FCH1H101J	CAP.CHIP (2X1.25)	100P	J	50 V
C37		CK73FB1E104K	CAP.CHIP (2X1.25)	0.1U	K	25 V
C38		CK73FB1H223K	CAP.CHIP (2X1.25)	0.022U	K	50 V
C101		CC73FCH1H470J	CAP.CHIP (2X1.25)	47P	J	50 V
C102		CC73FCH1H470J	CAP.CHIP (2X1.25)	47P	J	50 V
C103		CC73FCH1H470J	CAP.CHIP (2X1.25)	47P	J	50 V
C104		CE04LW1A470M	CAP. ELECTRO	47U	M	10 V
C105		CC73FCH1H101J	CAP.CHIP (2X1.25)	100P	J	50 V
C106		CK73FB1H103K	CAP.CHIP (2X1.25)	0.01U	K	50 V
C107		CK73FB1E104K	CAP.CHIP (2X1.25)	0.1U	K	25 V
C108		CK73FB1E104K	CAP.CHIP (2X1.25)	0.1U	K	25 V
C109		CK73FB1H332K	CAP.CHIP (2X1.25)	3300P	K	50 V
C110		CE04LW0J331M	CAP. ELECTRO	330U	M	6.3 V
C111		CK73FB1E104K	CAP.CHIP (2X1.25)	0.1U	K	25 V
C112		CC73FSL1H102J	CAP.CHIP (2X1.25)	1000P	J	50 V
C113		CC73FCH1H470J	CAP.CHIP (2X1.25)	47P	J	50 V
C114		CC73FCH1H470J	CAP.CHIP (2X1.25)	47P	J	50 V
C115		CE04HW1H2R2M	CAP. ELECTRO	2.2U	M	50 V
C116		CK73FB1E104K	CAP.CHIP (2X1.25)	0.1U	K	25 V
C117		CC73FSL1H102J	CAP.CHIP (2X1.25)	1000P	J	50 V
C118		CC73FSL1H102J	CAP.CHIP (2X1.25)	1000P	J	50 V
C119		CE04LW1C470M	CAP. ELECTRO	47U	M	16 V
C120		CE04LW1H010M	CAP. ELECTRO	1U	M	50 V
C121		CE04LW0J331M	CAP. ELECTRO	330U	M	6.3 V

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C122		CC73FCH1H101J	CAP.CHIP (2X1.25)	100P	J	50 V
C123		CE04LW1C101M	CAP. ELECTRO	100U	M	16 V
C124		CK73FB1E104K	CAP.CHIP (2X1.25)	0.1U	K	25 V
C125		CC73FCH1H330J	CAP.CHIP (2X1.25)	33P	J	50 V
C126		C91-2582-05	CAP. FILM	0.47U	-	100 V
C127		CK73FB1E104K	CAP.CHIP (2X1.25)	0.1U	K	25 V
C128		CC73FCH1H330J	CAP.CHIP (2X1.25)	33P	J	50 V
C129		C91-2582-05	CAP. FILM	0.47U	-	100 V
C130		CE04LW1C101M	CAP. ELECTRO	100U	M	16 V
C131		CE04LW1C101M	CAP. ELECTRO	100U	M	16 V
C132		CC73FCH1H220J	CAP.CHIP (2X1.25)	22P	J	50 V
C133		CC73FCH1H220J	CAP.CHIP (2X1.25)	22P	J	50 V
C134		CC73FCH1H331J	CAP.CHIP (2X1.25)	330P	J	50 V
C135		CK73FB1H103K	CAP.CHIP (2X1.25)	0.01U	K	50 V
C136		CC73FCH1H391J	CAP.CHIP (2X1.25)	390P	J	50 V
C137		CC73FCH1H680J	CAP.CHIP (2X1.25)	68P	J	50 V
C138		CC73FCH1H100D	CAP.CHIP (2X1.25)	10P	D	50 V
C139		CK73FB1H103K	CAP.CHIP (2X1.25)	0.01U	K	50 V
C140		CC73FCH1H121J	CAP.CHIP (2X1.25)	120P	J	50 V
C141		CK73FB1H103K	CAP.CHIP (2X1.25)	0.01U	K	50 V
C142		CK73FB1H152K	CAP.CHIP (2X1.25)	1500P	K	50 V
C143		CK73FB1H103K	CAP.CHIP (2X1.25)	0.01U	K	50 V
C144		CE04LW0J331M	CAP. ELECTRO	330U	M	6.3 V
C145		CE04LW0J331M	CAP. ELECTRO	330U	M	6.3 V
C146		CK73FB1H103K	CAP.CHIP (2X1.25)	0.01U	K	50 V
C147		CC73FCH1H390J	CAP.CHIP (2X1.25)	39P	J	50 V
C148		CK73FB1E104K	CAP.CHIP (2X1.25)	0.1U	K	25 V
C149		CC73FCH1H070D	CAP.CHIP (2X1.25)	7P	D	50 V
C150		CC73FCH1H030C	CAP.CHIP (2X1.25)	3P	C	50 V
C151		CC73FCH1H150J	CAP.CHIP (2X1.25)	15P	J	50 V
C152		CC73FCH1H101J	CAP.CHIP (2X1.25)	100P	J	50 V
C153		CC73FCH1H330J	CAP.CHIP (2X1.25)	33P	J	50 V
C154		CK73FB1E104K	CAP.CHIP (2X1.25)	0.1U	K	25 V
C155		C91-2694-05	CAP. FILM	4700P	-	100 V
C156		C91-2694-05	CAP. FILM	4700P	-	100 V
C157		CC73FCH1H101J	CAP.CHIP (2X1.25)	100P	J	50 V
C158		CC73FCH1H101J	CAP.CHIP (2X1.25)	100P	J	50 V
C159		CC73FCH1H100D	CAP.CHIP (2X1.25)	10P	D	50 V
C301		CE04HW0J470M	CAP. ELECTRO	47U	M	6.3 V
C302		CE04LW0J331M	CAP. ELECTRO	330U	M	6.3 V
C304		CC73FCH1H470J	CAP.CHIP (2X1.25)	47P	J	50 V
C305		CE04LW1A221M	CAP. ELECTRO	220U	M	10 V
C306		CK73FB1H103K	CAP.CHIP (2X1.25)	0.01U	K	50 V
C307		CE04LW0J331M	CAP. ELECTRO	330U	M	6.3 V
C308		CK73FB1E104K	CAP.CHIP (2X1.25)	0.1U	K	25 V
C309		CC73FCH1H101J	CAP.CHIP (2X1.25)	100P	J	50 V
C310		CK73FB1E104K	CAP.CHIP (2X1.25)	0.1U	K	25 V
C311		CE04LW1C101M	CAP. ELECTRO	100U	M	16 V
C312		CK73FB1H103K	CAP.CHIP (2X1.25)	0.01U	K	50 V
C313		CC73FCH1H821J	CAP.CHIP (2X1.25)	820P	J	50 V
C314		CC73FCH1H050C	CAP.CHIP (2X1.25)	5P	C	50 V
C315		CC73FCH1H180J	CAP.CHIP (2X1.25)	18P	J	50 V
C316		CE04HW0J101M	CAP. ELECTRO	100U	M	6.3 V
C317		CK73FB1H103K	CAP.CHIP (2X1.25)	0.01U	K	50 V
C318		CK73FB1H103K	CAP.CHIP (2X1.25)	0.01U	K	50 V

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Ref. No	Address	Parts No.	Description
C319		CK45FB2H152K	CERAMIC CAPACITOR 1500P K 500 V
C320		C91-2585-05	CAP. FILM 0.01U - 250 V
C321		C91-2585-05	CAP. FILM 0.01U - 250 V
C322		CE04EW2E010M	CAP. ELECTRO 1U M 250 V
C323		C91-2587-05	CAP. FILM 0.1U - 250 V
C324		C91-2587-05	CAP. FILM 0.1U - 250 V
C325		CK73FB1H103K	CERAMIC CAPACITOR 0.01U K 50 V
C326		CE04HW1E4R7M	CAP. ELECTRO 4.7U M 25 V
C327		CC73FCH1H180J	CAP.CHIP (2X1.25) 18P J 50 V
C328		CC73FSL1H102J	CAP.CHIP (2X1.25) 1000P J 50 V
C329		CC73FCH1H270J	CAP.CHIP (2X1.25) 27P J 50 V
C330		CC45FCH2H010C	CAP. CERAMIC 1P C 500 V
C331		CC45FCH2H010C	CAP. CERAMIC 1P C 500 V
C332		CC45FCH2H020C	CAP. CERAMIC 2P C 500 V
C333		CC45FCH2H010C	CAP. CERAMIC 1P C 500 V
C334		CC45FCH2H010C	CAP. CERAMIC 1P C 500 V
C335		CC73FSL1H102J	CAP.CHIP (2X1.25) 1000P J 50 V
C337		CE04HW1H010M	CAP. ELECTRO 1U M 50 V
C501		CK73FB1H103K	CAP.CHIP (2X1.25) 0.01U K 50 V
C502		CK73FB1H103K	CAP.CHIP (2X1.25) 0.01U K 50 V
C503		CK73FB1H103K	CAP.CHIP (2X1.25) 0.01U K 50 V
C901		CK73FB1E104K	CAP.CHIP (2X1.25) 0.1U K 25 V
CN7		E40-7519-05	CONNECTOR 4P
CN10		E40-5218-05	CONNECTOR 16P
CN15		E40-5067-05	CONNECTOR 10P
CN24		E40-7517-05	CONNECTOR 5P
CN25		E40-5220-05	CONNECTOR 12P
CN29		E40-3242-05	CONNECTOR 7P
CN670		E40-7519-05	CONNECTOR 4P
D1		RB751V-40	DIODE
D2		RB751V-40	DIODE
D3		DAP202K	DIODE
D4		MA111	DIODE
D5		MA111	DIODE
D6		RB751V-40	DIODE
D7		RB751V-40	DIODE
D8		RB751V-40	DIODE
D9		MA111	DIODE
D10		DAN202K	DIODE
D12		MA111	DIODE
D13		RB751V-40	DIODE
D14		RB751V-40	DIODE
D15		MA111	DIODE
D16		DAP202K	DIODE
D17		RB751V-40	DIODE
D18		RB751V-40	DIODE
D101		MA111	DIODE
D102		RB751V-40	DIODE
D103		MA111	DIODE
D104		DAP202K	DIODE
D105		RB751V-40	DIODE
D106		RB751V-40	DIODE
D107		MA111	DIODE
D108		MA111	DIODE
D109		DAP202K	DIODE

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D110		MA111	DIODE
D111		MA111	DIODE
D112		MA111	DIODE
D113		DAP202K	DIODE
D114		DAP202K	DIODE
D115		MA111	DIODE
D116		MA111	DIODE
D117		MA111	DIODE
D118		DAN202K	DIODE
D119		MA111	DIODE
D120		DAP202K	DIODE
D121		MA111	DIODE
D122		DAP202K	DIODE
D123		MA111	DIODE
D124		MA111	DIODE
D125		MA111	DIODE
D126		RB751V-40	DIODE
D127		RB751V-40	DIODE
D301		RB751V-40	DIODE
D302		MA111	DIODE
D303		MA111	DIODE
D304		UDZ3.0B	DIODE,ZENER
D305		MA111	DIODE
D306		UDZ3.0B	DIODE,ZENER
D307		MA111	DIODE
D308		MA111	DIODE
D309		MA111	DIODE
D310		RB751V-40	DIODE
D311		TLR112	LED; RED
D312		TLR112	LED; RED
D313		RB751V-40	DIODE
D314		UDZ5.1B	DIODE,ZENER
D801		MA700	DIODE
IC1		TC4053BF	IC, TRIPLE 2CH MPX/DE-MPX
IC2		NJM072M	IC, DUAL OP AMP
IC3		MC10H102P	IC, QUAL 2-INPUT NOR GATE
IC101		NJM4558V	IC, DUAL OP AMP
IC102		KMX03	HIC
IC103		KMX03	HIC
IC104		TC4053BF	IC, TRIPLE 2CH MPX/DE-MPX
IC105		TC4053BF	IC, TRIPLE 2CH MPX/DE-MPX
IC106		SN74ALS02ANS	IC, QUAD 2-INPUT POSI. NOR GATE
IC107		SN74ALS74ANS	IC, DUAL D-F.F. (WITH PR & CLR)
IC108		MC10H131P	IC, DUAL D -MASTER-SLAVE F.F.
IC109		TC4052BF	IC, DIFFERENTAL 4CH MPX/DE-MPX
IC110		TC4052BF	IC, DIFFERENTAL 4CH MPX/DE-MPX
IC111		UPC812G	IC, DUAL J-FET INPUT OP AMP
IC112		UPC812G	IC, DUAL J-FET INPUT OP AMP
IC113		KMX04	HIC
IC114		KMX04	HIC
IC115		SN74ALS74ANS	IC, DUAL D-F.F. (WITH PR & CLR)
IC116		TC74HC4053AF	IC, TRIPLE 2CH ANALOG MPX
IC301		TC74HC4053AF	IC, TRIPLE 2CH ANALOG MPX
IC501		NJM2901V	IC, QUAD SINGLE SUPPLY COMPARATOR
IC502		NJM2901V	IC, QUAD SINGLE SUPPLY COMPARATOR

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Ref. No	Address	Parts No.	Description
IC503		NJM2901V	IC, AUAD SINGLE SUPPLY COMPARATOR
IC504		SN74ALS00ANS	IC, QUAD 2-INPUT POSI NAND GATE
IC505		TC74HC00AF	IC, QUAD 2-INPUT POSI NAND GATE
IC506		TC74HC00AF	IC, QUAD 2-INPUT POSI NAND GATE
IC507		TC74HC08AF	IC, QUAD 2-INPUT NAND GATE
K301		S76-0027-05	RELAY
L101		L79-0553-05	FILTER
P1		E23-1520-05	GROUND TERMINAL
P2		E23-1520-05	GROUND TERMINAL
P3		E23-1520-05	GROUND TERMINAL
P4		E23-1520-05	GROUND TERMINAL
Q1		2SA1738(R)	TR.SI, PNP
Q2		2SC2735	TR.SI, NPN
Q3		2SA1738(R)	TR.SI, PNP
Q4		2SC2412K(R,S)	TR.SI, NPN
Q5		2SC2412K(R,S)	TR.SI, NPN
Q6		2SC2412K(R,S)	TR.SI, NPN
Q7		2SA1226(E4)	TR.SI, PNP
Q8		2SC2714(O)	TR.SI, NPN
Q9		2SC2412K(R,S)	TR.SI, NPN
Q10		2SC2714(O)	TR.SI, NPN
Q11		2SC3775(3)	TR.SI, NPN
Q12		2SC3775(3)	TR.SI, NPN
Q13		2SC2412K(R,S)	TR.SI, NPN
Q14		2SA1226(E4)	TR.SI, PNP
Q16		2SA1738(R)	TR.SI, PNP
Q17		2SA1037K(R,S)	TR.SI, PNP
Q18		2SA1037K(R,S)	TR.SI, PNP
Q19		2SA1037K(R,S)	TR.SI, PNP
Q20		2SA1738(R)	TR.SI, PNP
Q21		2SC2412K(R,S)	TR.SI, NPN
Q22		2SC2412K(R,S)	TR.SI, NPN
Q23		2SC2412K(R,S)	TR.SI, NPN
Q24		2SC2412K(R,S)	TR.SI, NPN
Q25		2SC2735	TR.SI, NPN
Q26		2SA1738(R)	TR.SI, PNP
Q101		2SC2412K(R,S)	TR.SI, NPN
Q102		2SC2412K(R,S)	TR.SI, NPN
Q103		2SA1738(R)	TR.SI, PNP
Q104		2SA1037K(R,S)	TR.SI, PNP
Q105		FMW1	TR.SI,
Q106		2SA1226(E4)	TR.SI, PNP
Q107		2SA1226(E4)	TR.SI, PNP
Q108		2SC2412K(R,S)	TR.SI, NPN
Q109		2SA1037K(R,S)	TR.SI, PNP
Q110		2SC3115(D27)	TR.SI, NPN
Q111		2SC3115(D27)	TR.SI, NPN
Q112		2SA1226(E4)	TR.SI, PNP
Q113		2SA1226(E4)	TR.SI, PNP
Q114		2SC2412K(R,S)	TR.SI, NPN
Q115		2SA1037K(R,S)	TR.SI, PNP
Q116		2SA1037K(R,S)	TR.SI, PNP
Q117		2SK209(Y)	FET, N-CHANNEL
Q118		2SC2412K(R,S)	TR.SI, NPN
Q119		2SK209(Y)	FET, N-CHANNEL

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Ref. No	Address	Parts No.	Description
Q120		2SC2412K(R,S)	TR.SI, NPN
Q121		2SK209(BL)	FET, N-CHANNEL
Q122		2SK209(BL)	FET, N-CHANNEL
Q123		2SC2735	TR.SI, NPN
Q124		2SC2412K(R,S)	TR.SI, NPN
Q125		2SC2735	TR.SI, NPN
Q126		2SA1037K(R,S)	TR.SI, PNP
Q127		2SA1037K(R,S)	TR.SI, PNP
Q128		2SC2714(O)	TR.SI, NPN
Q129		2SC2735	TR.SI, NPN
Q130		2SC2735	TR.SI, NPN
Q131		2SC2714(O)	TR.SI, NPN
Q132		2SA1037K(R,S)	TR.SI, PNP
Q133		2SA1037K(R,S)	TR.SI, PNP
Q134		2SC2714(O)	TR.SI, NPN
Q135		2SC2714(O)	TR.SI, NPN
Q136		2SA1226(E4)	TR.SI, PNP
Q137		2SA1037K(R,S)	TR.SI, PNP
Q138		2SA1226(E4)	TR.SI, PNP
Q139		2SA1226(E4)	TR.SI, PNP
Q140		2SA1226(E4)	TR.SI, PNP
Q141		2SA1226(E4)	TR.SI, PNP
Q142		2SC2412K(R,S)	TR.SI, NPN
Q143		2SA1037K(R,S)	TR.SI, PNP
Q144		2SA1738(R)	TR.SI, PNP
Q145		2SC2412K(R,S)	TR.SI, NPN
Q146		2SC2714(O)	TR.SI, NPN
Q147		2SC2714(O)	TR.SI, NPN
Q148		2SC2412K(R,S)	TR.SI, NPN
Q149		2SK209(BL)	FET, N-CHANNEL
Q150		2SC2412K(R,S)	TR.SI, NPN
Q151		2SK209(BL)	FET, N-CHANNEL
Q301		2SC2412K(R,S)	TR.SI, NPN
Q302		2SC2412K(R,S)	TR.SI, NPN
Q303		2SC2412K(R,S)	TR.SI, NPN
Q304		2SC2412K(R,S)	TR.SI, NPN
Q305		2SA1037K(R,S)	TR.SI, PNP
Q306		2SA1037K(R,S)	TR.SI, PNP
Q307		2SA1226(E4)	TR.SI, PNP
Q308		2SA1226(E4)	TR.SI, PNP
Q309		2SC2412K(R,S)	TR.SI, NPN
Q310		2SC2412K(R,S)	TR.SI, NPN
Q311		2SC2735	TR.SI, NPN
Q312		2SC2735	TR.SI, NPN
Q313		2SA1738(R)	TR.SI, PNP
Q314		2SC2735	TR.SI, NPN
Q315		2SC2735	TR.SI, NPN
Q316		2SA1738(R)	TR.SI, PNP
Q317		2SC4732(E)	TR.SI, NPN
Q318		2SC4732(E)	TR.SI, NPN
Q319		2SC2551(O)	TR.SI, NPN
Q320		2SA1828(E)	TR.SI, PNP
Q321		2SA1828(E)	TR.SI, PNP
R1		RK73FB2A105J	RES. METAL GLACE 1M J 1/10 W

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Ref. No	Address	Parts No.	Description			
R2		RK73FB2A105J	RES.CHIP (2X1.25)	1M	J	1/10 W
R3		RK73FB2A220J	RES.CHIP (2X1.25)	22	J	1/10 W
R4		RK73FB2A105J	RES.CHIP (2X1.25)	1M	J	1/10 W
R5		RK73FB2A105J	RES.CHIP (2X1.25)	1M	J	1/10 W
R6		RK73FB2A153J	RES.CHIP (2X1.25)	15K	J	1/10 W
R7		RK73FB2A753J	RES.CHIP (2X1.25)	75K	J	1/10 W
R8		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K	J	1/10 W
R9		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K	J	1/10 W
R10		RK73FB2A393J	RES.CHIP (2X1.25)	39K	J	1/10 W
R11		RK73FB2A151J	RES.CHIP (2X1.25)	150	J	1/10 W
R12		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K	J	1/10 W
R13		RK73FB2A104J	RES.CHIP (2X1.25)	100K	J	1/10 W
R14		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R15		RK73FB2A221J	RES.CHIP (2X1.25)	220	J	1/10 W
R16		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K	J	1/10 W
R17		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R18		RK73FB2A822J	RES.CHIP (2X1.25)	8.2K	J	1/10 W
R19		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K	J	1/10 W
R20		RK73FB2A153J	RES.CHIP (2X1.25)	15K	J	1/10 W
R21		RK73FB2A682J	RES.CHIP (2X1.25)	6.8K	J	1/10 W
R22		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K	J	1/10 W
R23		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K	J	1/10 W
R24		RK73FB2A220J	RES.CHIP (2X1.25)	22	J	1/10 W
R25		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R26		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K	J	1/10 W
R27		RK73FB2A473J	RES.CHIP (2X1.25)	47K	J	1/10 W
R28		RK73FB2A393J	RES.CHIP (2X1.25)	39K	J	1/10 W
R29		RK73FB2A751J	RES.CHIP (2X1.25)	750	J	1/10 W
R30		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R31		RK73FB2A123J	RES.CHIP (2X1.25)	12K	J	1/10 W
R32		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R33		RK73FB2A104J	RES.CHIP (2X1.25)	100K	J	1/10 W
R34		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R35		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R36		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R37		RK73FB2A104J	RES.CHIP (2X1.25)	100K	J	1/10 W
R38		RK73FB2A821J	RES.CHIP (2X1.25)	820	J	1/10 W
R39		RK73FB2A622J	RES.CHIP (2X1.25)	6.2K	J	1/10 W
R40		RK73FB2A221J	RES.CHIP (2X1.25)	220	J	1/10 W
R41		RN73FH2A182D	RES. METAL FILM	1.8K	D	1/10 W
R42		RK73FB2A512J	RES.CHIP (2X1.25)	5.1K	J	1/10 W
R43		RK73FB2A221J	RES.CHIP (2X1.25)	220	J	1/10 W
R44		RK73FB2A220J	RES.CHIP (2X1.25)	22	J	1/10 W
R45		RK73FB2A272J	RES.CHIP (2X1.25)	2.7K	J	1/10 W
R46		RK73FB2A331J	RES.CHIP (2X1.25)	330	J	1/10 W
R47		RK73FB2A750J	RES.CHIP (2X1.25)	75	J	1/10 W
R48		RK73FB2A750J	RES.CHIP (2X1.25)	75	J	1/10 W
R49		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R50		RK73FB2A680J	RES.CHIP (2X1.25)	68	J	1/10 W
R51		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R52		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R53		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R54		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R55		RK73FB2A122J	RES.CHIP (2X1.25)	1.2K	J	1/10 W
R56		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W

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R57		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K	J	1/10 W
R58		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R61		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R62		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R63		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K	J	1/10 W
R64		RK73FB2A132J	RES.CHIP (2X1.25)	1.3K	J	1/10 W
R65		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R66		RK73FB2A391J	RES.CHIP (2X1.25)	390	J	1/10 W
R67		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R68		RK73FB2A621J	RES.CHIP (2X1.25)	620	J	1/10 W
R69		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R70		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R71		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R72		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R73		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R74		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R75		RK73FB2A470J	RES.CHIP (2X1.25)	47	J	1/10 W
R76		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R77		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R78		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R79		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R80		RK73FB2A473J	RES.CHIP (2X1.25)	47K	J	1/10 W
R81		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R82		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R83		RK73FB2A153J	RES.CHIP (2X1.25)	15K	J	1/10 W
R84		RN73FH2A184D	RES. METAL FILM	180K	D	1/10 W
R85		RN73FH2A184D	RES. METAL FILM	180K	D	1/10 W
R86		RK73FB2A132J	RES.CHIP (2X1.25)	1.3K	J	1/10 W
R87		RK73FB2A391J	RES.CHIP (2X1.25)	390	J	1/10 W
R88		RK73FB2A473J	RES.CHIP (2X1.25)	47K	J	1/10 W
R101		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R102		RK73FB2A303J	RES.CHIP (2X1.25)	30K	J	1/10 W
R103		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R104		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R105		RN73FH2A153D	RES. METAL FILM	15K	D	1/10 W
R106		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R107		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R108		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R109		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R110		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R111		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R112		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R113		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R114		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R115		RK73FB2A471J	RES.CHIP (2X1.25)	470	J	1/10 W
R116		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R117		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R118		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R119		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K	J	1/10 W
R120		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R121		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R122		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R123		RK73FB2A473J	RES.CHIP (2X1.25)	47K	J	1/10 W
R124		RK73FB2A220J	RES.CHIP (2X1.25)	22	J	1/10 W
R125		RK73FB2A470J	RES.CHIP (2X1.25)	47	J	1/10 W
R126		RK73FB2A470J	RES.CHIP (2X1.25)	47	J	1/10 W

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R127		RK73FB2A330J	RES.CHIP (2X1.25)	33	J	1/10 W
R128		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R129		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R130		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R131		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R132		RK73FB2A684J	RES.CHIP (2X1.25)	680K	J	1/10 W
R133		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R134		RK73FB2A132J	RES.CHIP (2X1.25)	1.3K	J	1/10 W
R135		RK73FB2A243J	RES.CHIP (2X1.25)	24K	J	1/10 W
R136		RK73FB2A120J	RES.CHIP (2X1.25)	12	J	1/10 W
R137		RK73FB2A220J	RES.CHIP (2X1.25)	22	J	1/10 W
R138		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K	J	1/10 W
R139		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R140		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R141		RK73FB2A104J	RES.CHIP (2X1.25)	100K	J	1/10 W
R142		RK73FB2A100J	RES.CHIP (2X1.25)	10	J	1/10 W
R143		RK73FB2A100J	RES.CHIP (2X1.25)	10	J	1/10 W
R144		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R145		RK73FB2A272J	RES.CHIP (2X1.25)	2.7K	J	1/10 W
R146		RK73FB2A272J	RES.CHIP (2X1.25)	2.7K	J	1/10 W
R147		RK73FB2A682J	RES.CHIP (2X1.25)	6.8K	J	1/10 W
R148		RN73FH2A183D	RES.CHIP (2X1.25)	18K	D	1/10 W
R149		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R150		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R151		RK73FB2A220J	RES.CHIP (2X1.25)	22	J	1/10 W
R152		RK73FB2A220J	RES.CHIP (2X1.25)	22	J	1/10 W
R153		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R154		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R155		RN73FH2A182D	RES.CHIP (2X1.25)	1.8K	D	1/10 W
R156		RK73FB2A512J	RES.CHIP (2X1.25)	5.1K	J	1/10 W
R157		RK73FB2A220J	RES.CHIP (2X1.25)	22	J	1/10 W
R158		RN73FH2A182D	RES.CHIP (2X1.25)	1.8K	D	1/10 W
R159		RK73FB2A512J	RES.CHIP (2X1.25)	5.1K	J	1/10 W
R160		RN73FH2A131D	RES.CHIP (2X1.25)	130	D	1/10 W
R161		RK73FB2A822J	RES.CHIP (2X1.25)	8.2K	J	1/10 W
R162		RK73FB2A822J	RES.CHIP (2X1.25)	8.2K	J	1/10 W
R163		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R164		RK73FB2A302J	RES.CHIP (2X1.25)	3K	J	1/10 W
R165		RK73FB2A302J	RES.CHIP (2X1.25)	3K	J	1/10 W
R166		RN73FH2A182D	RES.CHIP (2X1.25)	1.8K	D	1/10 W
R167		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R168		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R169		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R170		RK73FB2A562J	RES.CHIP (2X1.25)	5.6K	J	1/10 W
R171		RK73FB2A362J	RES.CHIP (2X1.25)	3.6K	J	1/10 W
R172		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R173		RK73FB2A123J	RES.CHIP (2X1.25)	12K	J	1/10 W
R174		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R175		RK73FB2A123J	RES.CHIP (2X1.25)	12K	J	1/10 W
R176		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R177		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R178		RK73FB2A680J	RES.CHIP (2X1.25)	68	J	1/10 W
R179		RK73FB2A220J	RES.CHIP (2X1.25)	22	J	1/10 W
R180		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R181		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W

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Ref. No	Address	Parts No.	Description			
R182		RN73FH2A131D	RES.CHIP (2X1.25)	130	D	1/10 W
R183		RK73FB2A332J	RES.CHIP (2X1.25)	3.3K	J	1/10 W
R184		RN73FH2A182D	RES.CHIP (2X1.25)	1.8K	D	1/10 W
R185		RN73FH2A131D	RES.CHIP (2X1.25)	130	D	1/10 W
R186		RK73FB2A680J	RES.CHIP (2X1.25)	68	J	1/10 W
R187		RK73FB2A220J	RES.CHIP (2X1.25)	22	J	1/10 W
R188		RK73FB2A332J	RES.CHIP (2X1.25)	3.3K	J	1/10 W
R189		RK73FB2A303J	RES.CHIP (2X1.25)	30K	J	1/10 W
R190		RN73FH2A272D	RES.CHIP (2X1.25)	2.7K	D	1/10 W
R191		RN73FH2A183D	RES.CHIP (2X1.25)	18K	D	1/10 W
R192		RN73FH2A272D	RES.CHIP (2X1.25)	2.7K	D	1/10 W
R193		RN73FH2A183D	RES.CHIP (2X1.25)	18K	D	1/10 W
R194		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R195		RK73FB2A562J	RES.CHIP (2X1.25)	5.6K	J	1/10 W
R196		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R197		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R198		RK73FB2A432J	RES.CHIP (2X1.25)	4.3K	J	1/10 W
R199		RN73FH2A183D	RES.CHIP (2X1.25)	18K	D	1/10 W
R200		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R201		RK73FB2A432J	RES.CHIP (2X1.25)	4.3K	J	1/10 W
R202		RK73FB2A561J	RES.CHIP (2X1.25)	560	J	1/10 W
R203		RN73FH2A183D	RES.CHIP (2X1.25)	18K	D	1/10 W
R204		RK73FB2A561J	RES.CHIP (2X1.25)	560	J	1/10 W
R205		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R206		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R207		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R208		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R209		RK73FB2A471J	RES.CHIP (2X1.25)	470	J	1/10 W
R210		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R211		RK73FB2A622J	RES.CHIP (2X1.25)	6.2K	J	1/10 W
R212		RK73FB2A751J	RES.CHIP (2X1.25)	750	J	1/10 W
R213		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R214		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R215		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R216		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R217		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R218		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R219		RK73FB2A431J	RES.CHIP (2X1.25)	430	J	1/10 W
R220		RK73FB2A621J	RES.CHIP (2X1.25)	620	J	1/10 W
R221		RK73FB2A220J	RES.CHIP (2X1.25)	22	J	1/10 W
R222		RK73FB2A202J	RES.CHIP (2X1.25)	2K	J	1/10 W
R223		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R224		RK73FB2A202J	RES.CHIP (2X1.25)	2K	J	1/10 W
R225		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K	J	1/10 W
R226		RK73FB2A151J	RES.CHIP (2X1.25)	150	J	1/10 W
R227		RK73FB2A111J	RES.CHIP (2X1.25)	110	J	1/10 W
R228		RK73FB2A202J	RES.CHIP (2X1.25)	2K	J	1/10 W
R229		RK73FB2A242J	RES.CHIP (2X1.25)	2.4K	J	1/10 W
R230		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R231		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R232		RK73FB2A621J	RES.CHIP (2X1.25)	620	J	1/10 W
R233		RK73FB2A202J	RES.CHIP (2X1.25)	2K	J	1/10 W
R234		RK73FB2A682J	RES.CHIP (2X1.25)	6.8K	J	1/10 W
R235		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R236		RK73FB2A682J	RES.CHIP (2X1.25)	6.8K	J	1/10 W

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Ref. No	Address	Parts No.	Description			
R237		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R238		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R239		RK73FB2A152J	RES.CHIP (2X1.25)	1.5K	J	1/10 W
R240		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R241		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R242		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R243		RK73FB2A151J	RES.CHIP (2X1.25)	150	J	1/10 W
R244		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R245		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R246		RK73FB2A432J	RES.CHIP (2X1.25)	4.3K	J	1/10 W
R247		RK73FB2A152J	RES.CHIP (2X1.25)	1.5K	J	1/10 W
R248		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R249		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R250		RK73FB2A302J	RES.CHIP (2X1.25)	3K	J	1/10 W
R251		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R252		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R253		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K	J	1/10 W
R254		RK73FB2A303J	RES.CHIP (2X1.25)	30K	J	1/10 W
R255		RK73FB2A431J	RES.CHIP (2X1.25)	430	J	1/10 W
R256		RK73FB2A332J	RES.CHIP (2X1.25)	3.3K	J	1/10 W
R257		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R258		RK73FB2A471J	RES.CHIP (2X1.25)	470	J	1/10 W
R259		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R260		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R261		RK73FB2A182J	RES.CHIP (2X1.25)	1.8K	J	1/10 W
R263		RK73FB2A122J	RES.CHIP (2X1.25)	1.2K	J	1/10 W
R264		RK73FB2A301J	RES.CHIP (2X1.25)	300	J	1/10 W
R265		RK73FB2A302J	RES.CHIP (2X1.25)	3K	J	1/10 W
R266		RK73FB2A104J	RES.CHIP (2X1.25)	100K	J	1/10 W
R267		RK73FB2A153J	RES.CHIP (2X1.25)	15K	J	1/10 W
R268		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R269		RK73FB2A332J	RES.CHIP (2X1.25)	3.3K	J	1/10 W
R270		RK73FB2A104J	RES.CHIP (2X1.25)	100K	J	1/10 W
R271		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R272		RK73FB2A332J	RES.CHIP (2X1.25)	3.3K	J	1/10 W
R273		RN73FH2A103D	RES.CHIP (2X1.25)	10K	D	1/10 W
R274		RN73FH2A103D	RES.CHIP (2X1.25)	10K	D	1/10 W
R301		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R302		RK73FB2A202J	RES.CHIP (2X1.25)	2K	J	1/10 W
R303		RK73FB2A221J	RES.CHIP (2X1.25)	220	J	1/10 W
R304		RK73FB2A821J	RES.CHIP (2X1.25)	820	J	1/10 W
R305		RK73FB2A122J	RES.CHIP (2X1.25)	1.2K	J	1/10 W
R306		RK73FB2A223J	RES.CHIP (2X1.25)	22K	J	1/10 W
R307		RK73FB2A821J	RES.CHIP (2X1.25)	820	J	1/10 W
R308		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R309		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R310		RK73FB2A104J	RES.CHIP (2X1.25)	100K	J	1/10 W
R311		RN73FH2A242D	RES.CHIP (2X1.25)	2.4K	D	1/10 W
R312		RN73FH2A242D	RES.CHIP (2X1.25)	2.4K	D	1/10 W
R314		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R315		RK73FB2A362J	RES.CHIP (2X1.25)	3.6K	J	1/10 W
R316		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K	J	1/10 W
R317		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R318		RK73FB2A391J	RES.CHIP (2X1.25)	390	J	1/10 W
R319		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W

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Ref. No	Address	Parts No.	Description			
R320		RN73FH2A182D	RES.CHIP (2X1.25)	1.8K	D	1/10 W
R321		RK73FB2A202J	RES.CHIP (2X1.25)	2K	J	1/10 W
R322		RK73FB2A163J	RES.CHIP (2X1.25)	16K	J	1/10 W
R323		RN73FH2A132D	RES.CHIP (2X1.25)	1.3K	D	1/10 W
R324		RK73FB2A432J	RES.CHIP (2X1.25)	4.3K	J	1/10 W
R325		RK73FB2A823J	RES.CHIP (2X1.25)	82K	J	1/10 W
R326		RK73FB2A302J	RES.CHIP (2X1.25)	3K	J	1/10 W
R327		RK73FB2A153J	RES.CHIP (2X1.25)	15K	J	1/10 W
R328		RK73FB2A682J	RES.CHIP (2X1.25)	6.8K	J	1/10 W
R329		RK73FB2A242J	RES.CHIP (2X1.25)	2.4K	J	1/10 W
R330		RK73FB2A912J	RES.CHIP (2X1.25)	9.1K	J	1/10 W
R331		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R332		RK73FB2A101J	RES.CHIP (2X1.25)	100	J	1/10 W
R333		RK73FB2A301J	RES.CHIP (2X1.25)	300	J	1/10 W
R334		RK73FB2A391J	RES.CHIP (2X1.25)	390	J	1/10 W
R335		RK73FB2A391J	RES.CHIP (2X1.25)	390	J	1/10 W
R336		RK73FB2A472J	RES.CHIP (2X1.25)	4.7K	J	1/10 W
R337		RK73FB2A390J	RES.CHIP (2X1.25)	39	J	1/10 W
R338		RK73FB2A103J	RES.CHIP (2X1.25)	10K	J	1/10 W
R339		RN73FH2A392D	RES.CHIP (2X1.25)	3.9K	D	1/10 W
R340		RN73FH2A622D	RES.CHIP (2X1.25)	6.2K	D	1/10 W
R341		RK73FB2A393J	RES.CHIP (2X1.25)	39K	J	1/10 W
R342		RK73FB2A181J	RES.CHIP (2X1.25)	180	J	1/10 W
R343		RK73FB2A431J	RES.CHIP (2X1.25)	430	J	1/10 W
R344		RN73FH2A122D	RES.CHIP (2X1.25)	1.2K	D	1/10 W
R345		RK73FB2A622J	RES.CHIP (2X1.25)	6.2K	J	1/10 W
R346		RK73FB2A470J	RES.CHIP (2X1.25)	47	J	1/10 W
R347		RK73FB2A432J	RES.CHIP (2X1.25)	4.3K	J	1/10 W
R348		RK73FB2A432J	RES.CHIP (2X1.25)	4.3K	J	1/10 W
R349		RK73FB2A470J	RES.CHIP (2X1.25)	47	J	1/10 W
R350		RK73FB2A122J	RES.CHIP (2X1.25)	1.2K	J	1/10 W
R351		RK73FB2A122J	RES.CHIP (2X1.25)	1.2K	J	1/10 W
R352		RK73FB2A243J	RES.CHIP (2X1.25)	24K	J	1/10 W
R353		RK73FB2A243J	RES.CHIP (2X1.25)	24K	J	1/10 W
R354		RK73FB2A394J	RES.CHIP (2X1.25)	390K	J	1/10 W
R355		RK73FB2A164J	RES.CHIP (2X1.25)	160K	J	1/10 W
R356		RK73FB2A362J	RES.CHIP (2X1.25)	3.6K	J	1/10 W
R357		RK73FB2A362J	RES.CHIP (2X1.25)	3.6K	J	1/10 W
R358		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K	J	1/10 W
R359		RK73FB2A152J	RES.CHIP (2X1.25)	1.5K	J	1/10 W
R360		RK73FB2A152J	RES.CHIP (2X1.25)	1.5K	J	1/10 W
R361		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K	J	1/10 W
R362		RK73FB2A104J	RES.CHIP (2X1.25)	100K	J	1/10 W
R363		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R364		R92-1558-05	RESISTOR	39K	-	1 W
R365		R92-1558-05	RESISTOR	39K	-	1 W
R366		RK73FB2A104J	RES.CHIP (2X1.25)	100K	J	1/10 W
R367		RK73FB2A473J	RES.CHIP (2X1.25)	47K	J	1/10 W
R368		RN73FH2A134D	RES.CHIP (2X1.25)	130K	D	1/10 W
R369		RK73FB2A473J	RES.CHIP (2X1.25)	47K	J	1/10 W
R370		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R371		RK73FB2A102J	RES.CHIP (2X1.25)	1K	J	1/10 W
R372		R92-1559-05	RESISTOR	47K	-	1 W
R373		R92-1559-05	RESISTOR	47K	-	1 W
R374		RN73FH2A682D	RES.CHIP (2X1.25)	6.8K	D	1/10 W

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R375		RK73FB2A101J	RES.CHIP (2X1.25)	100 J	1/10 W
R376		RK73FB2A101J	RES.CHIP (2X1.25)	100 J	1/10 W
R377		RK73FB2A751J	RES.CHIP (2X1.25)	750 J	1/10 W
R378		RK73FB2A751J	RES.CHIP (2X1.25)	750 J	1/10 W
R379		RK73FB2A681J	RES.CHIP (2X1.25)	680 J	1/10 W
R380		RK73FB2A103J	RES.CHIP (2X1.25)	10K J	1/10 W
R381		RK73FB2A274J	RES.CHIP (2X1.25)	270K J	1/10 W
R382		RK73FB2A362J	RES.CHIP (2X1.25)	3.6K J	1/10 W
R383		RK73FB2A103J	RES.CHIP (2X1.25)	10K J	1/10 W
R384		RK73FB2A364J	RES.CHIP (2X1.25)	360K J	1/10 W
R501		RK73FB2A163J	RES.CHIP (2X1.25)	16K J	1/10 W
R502		RK73FB2A512J	RES.CHIP (2X1.25)	5.1K J	1/10 W
R503		RK73FB2A512J	RES.CHIP (2X1.25)	5.1K J	1/10 W
R504		RK73FB2A512J	RES.CHIP (2X1.25)	5.1K J	1/10 W
R505		RK73FB2A512J	RES.CHIP (2X1.25)	5.1K J	1/10 W
R506		RK73FB2A163J	RES.CHIP (2X1.25)	16K J	1/10 W
R507		RK73FB2A512J	RES.CHIP (2X1.25)	5.1K J	1/10 W
R508		RK73FB2A512J	RES.CHIP (2X1.25)	5.1K J	1/10 W
R509		RK73FB2A512J	RES.CHIP (2X1.25)	5.1K J	1/10 W
R510		RK73FB2A512J	RES.CHIP (2X1.25)	5.1K J	1/10 W
R511		RK73FB2A163J	RES.CHIP (2X1.25)	16K J	1/10 W
R512		RK73FB2A512J	RES.CHIP (2X1.25)	5.1K J	1/10 W
R513		RK73FB2A512J	RES.CHIP (2X1.25)	5.1K J	1/10 W
R514		RK73FB2A512J	RES.CHIP (2X1.25)	5.1K J	1/10 W
R515		RK73FB2A512J	RES.CHIP (2X1.25)	5.1K J	1/10 W
R516		RK73FB2A101J	RES.CHIP (2X1.25)	100 J	1/10 W
R517		RK73FB2A101J	RES.CHIP (2X1.25)	100 J	1/10 W
R518		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K J	1/10 W
R519		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K J	1/10 W
R520		RK73FB2A222J	RES.CHIP (2X1.25)	2.2K J	1/10 W
R521		RK73FB2A103J	RES.CHIP (2X1.25)	10K J	1/10 W
R522		RK73FB2A103J	RES.CHIP (2X1.25)	10K J	1/10 W
R523		RK73FB2A103J	RES.CHIP (2X1.25)	10K J	1/10 W
R524		RK73FB2A103J	RES.CHIP (2X1.25)	10K J	1/10 W
R525		RK73FB2A103J	RES.CHIP (2X1.25)	10K J	1/10 W
R526		RK73FB2A103J	RES.CHIP (2X1.25)	10K J	1/10 W
R527		RK73FB2A103J	RES.CHIP (2X1.25)	10K J	1/10 W
R528		RK73FB2A103J	RES.CHIP (2X1.25)	10K J	1/10 W
R529		RK73FB2A103J	RES.CHIP (2X1.25)	10K J	1/10 W
R530		RK73FB2A101J	RES.CHIP (2X1.25)	100 J	1/10 W
R531		RK73FB2A101J	RES.CHIP (2X1.25)	100 J	1/10 W
R532		RK73FB2A103J	RES.CHIP (2X1.25)	10K J	1/10 W
R533		RK73FB2A103J	RES.CHIP (2X1.25)	10K J	1/10 W
R534		RK73FB2A103J	RES.CHIP (2X1.25)	10K J	1/10 W
R535		RK73FB2A100J	RES.CHIP (2X1.25)	10 J	1/10 W
R536		RK73FB2A100J	RES.CHIP (2X1.25)	10 J	1/10 W
R537		RK73FB2A100J	RES.CHIP (2X1.25)	10 J	1/10 W
R538		RK73FB2A100J	RES.CHIP (2X1.25)	10 J	1/10 W
R700		RK73FB2A272J	RES.CHIP (2X1.25)	2.7K J	1/10 W
R704		RK73FB2A103J	RES.CHIP (2X1.25)	10K J	1/10 W
R990		R92-0670-05	JUMPER WIRE	0 -	1/10 W
R991		R92-0670-05	JUMPER WIRE	0 -	1/10 W
TC101		C05-0470-05	CAP. CERAMIC	20P -	-
TC102		C05-0470-05	CAP. CERAMIC	20P -	-
TC301		C05-0490-05	CAP. CERAMIC	20P -	-

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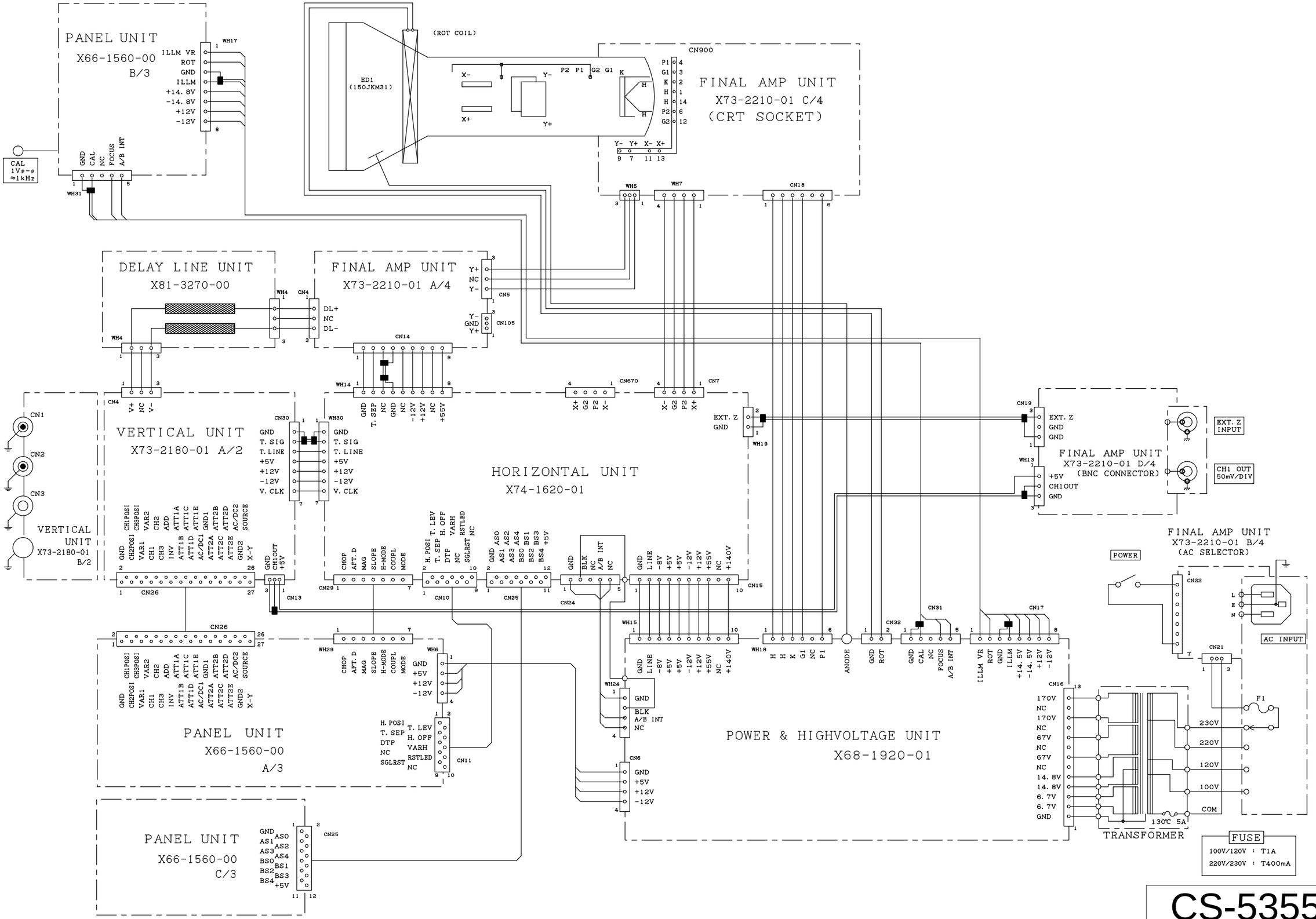
Ref. No	Address	Parts No.	Description		
TH302		112-103-2FM	THERMISTOR		
TH384		R92-2723-05	TEMP.COEFFICIENT RESISTOR		
TH701		R92-1552-05	TEMP.COEFFICIENT RESISTOR		
TH702		R92-1560-05	TEMP.COEFFICIENT RESISTOR		
TH703		R92-2733-05	TEMP.COEFFICIENT RESISTOR		
VR1		R12-0680-05	RES. SEMI FIXED	47K	-
VR2		R12-0680-05	RES. SEMI FIXED	47K	-
VR101		R12-5569-05	RES. SEMI FIXED	100K	-
VR102		R12-3599-05	RES. SEMI FIXED	22K	-
VR103		R12-0680-05	RES. SEMI FIXED	47K	-
VR104		R12-1860-05	RES. SEMI FIXED	1K	-
VR105		R12-0694-05	RES. SEMI FIXED	4.7K	-
VR107		R12-5569-05	RES. SEMI FIXED	100K	-
VR108		R12-3599-05	RES. SEMI FIXED	22K	-
VR301		R12-0890-05	RES. SEMI FIXED	470	-
VR302		R12-0680-05	RES. SEMI FIXED	47K	-
VR303		R12-3597-05	RES. SEMI FIXED	47K	-
VR304		R12-0883-05	RES. SEMI FIXED	220	-
VR305		R12-0882-05	RES. SEMI FIXED	100	-
VR306		R12-0678-05	RES. SEMI FIXED	10K	-
VR307		R12-0694-05	RES. SEMI FIXED	4.7K	-
VR308		R12-6501-05	RES. SEMI FIXED	470K	-

L : Scandinavia **K :** USA **P :** Canada **R :** Mexico
Y : PX(Far East, Hawaii) **T :** Europe **E :** Europe **G :** Germany
Y : AAFES(Europe) **X :** Australia **M :** Other Areas

⚠ indicates safety critical components.



CS-5355

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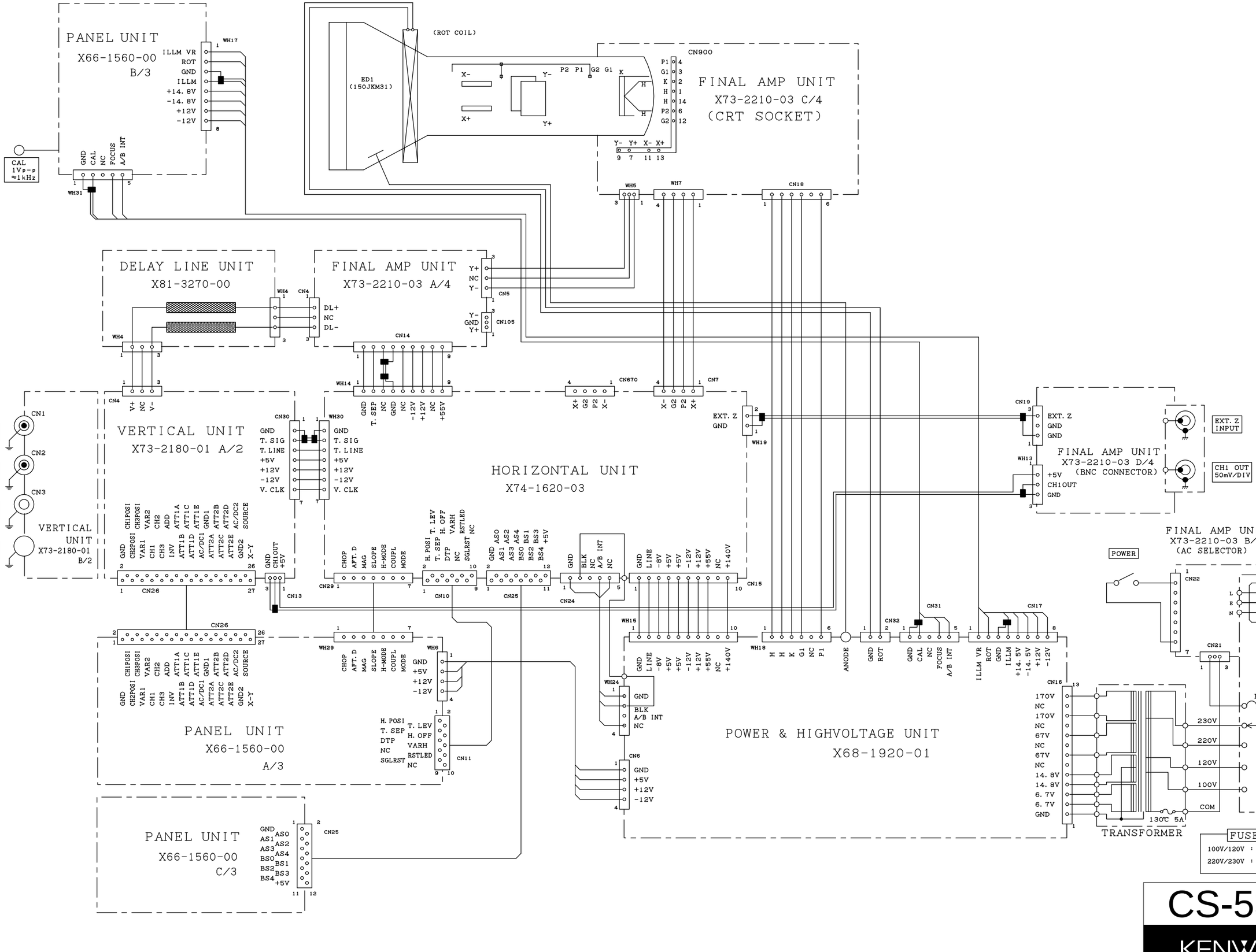
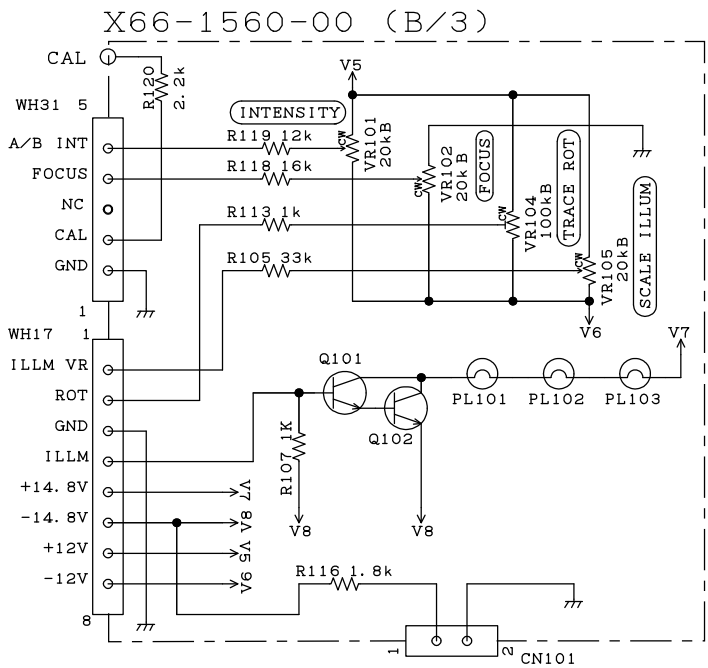
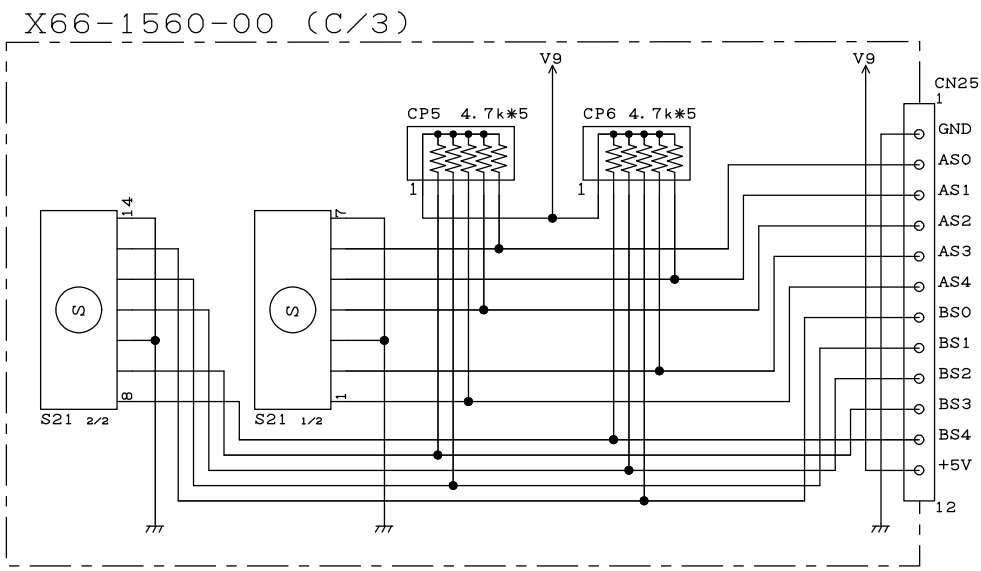


CS-5375

KENWOOD





CS-5355/5375

KENWOOD

U V W X Y Z AA AB AC AD

1 2 3 4 5 6 7

X66-1560-00 (A/3)

IC1 : NJM4558L
Q3 : 2SA933AS (R, S)
Q101, 102 : 2SC1740S (R, S) (3)

CN26 1
GND
CH1POSI
CH2POSI
CH3POSI
CH1VAR
CH2VAR
CH1
CH2
CH3
ADD
INV
ATT1A
ATT1B
ATT1C
ATT1D
ATT1E
AC/DC1
GND1
ATT2A
ATT2B
ATT2C
ATT2D
ATT2E
AC/DC2
GND2
SOURCE
X-Y
27

R50 1.2K
R49 15K
R48 15K
R47 15K
R46 15K
R16 100
R17 100
R18 100
R19 100

SOURCE	
1	VERT
2	CH1
3	CH2
4	CH3
5	LINE

COUPLING	
1	AC REJ
2	HF
3	DC
4	TV FRAME
5	TV LINE

MODE	
1	AUTO
2	NORM
3	FIX
4	SINGLE
5	RESET

H. MODE	
1	A
2	ALT
3	B
4	X-Y

S1 CH1
S2 CH2
S3 CH3
S4 ADD
S5 ALT/CHOP
S6 CH2INV
S7 SOURCE
S8 COUPLING
S9 MODE
S10 H. MODE
CP1 CP2 CP3 CP4
R38 1k
R39 1k

AFT. DLY /B TRIG' D
S13
R30 4.7k
R40 2.2k
X10MAG
S14
SLOPE
S12
R25 100
C4 0.01U
R27 100

ATT CODE -> CW

	1	2	3	4	5	6	7	8	9	10	11	12
1											1	1
2	1	1	1									
3				1	1	1						
4	1	1		1	1		1	1				
5		1			1			1		1		1

S15 S16
S17 CH1 AC/DC
S18 CH1 GND
S19 CH2 AC/DC
S20 CH2 GND

H. POSI
VR6 20kB
TRIG LEVEL
VR4 20kB
TRACE SEP
VR7 20kB
VR5 20kB
HOLD OFF
R34 100
R36 100
R35 100
R37 100
R13 360
R8 100
R31 100

CN32
C1 220U 10V
C2 100U 25V
C3 100U 25V

WH29
CHOP
AFT `D
MAG
SLOPE
H-MODE
COUPL
MODE
R29 100
R33 100
R28 100

WH6
GND
+5V
+12V
-12V

CN11
H. POSI
T. LEV
T. SEP
H. OFF
DTP
VAR. H
NC
RSTLED
SGLRST
NC

CH1POSI
CH2POSI
CH3POSI
R21 100
R22 100
R23 100
R51 100
R52 100
VR1 20k B
VR2 20kB
VR3 20kB
VR10 10kB
VR11 10k B
CH1VARI
CH2VARI

IC1 1/2
IC1 2/2
R6 20K
R5 10K
VR8 20kB
VR9 20kB
VR12 10k B
R14 19.6K
R9 220k
R10 22k
R11 20k
R12 20K
FINE
COARSE

V1 V3 V4

AJ AK AL AM AN AO AP AQ AR AS

1 2 3 4 5 6 7

X68-1920-00

IC1	: KMA02	D7, 8	: MTZ13JC	Q5, 7	: 2SB1015 (Y)
IC51, 101	: NJM4558D	D9	: MTZ7, 5JA	Q6	: 2SD1406 (Y)
		D101~108	: 1SS83	Q51	: 2SA720A (R)
D1, 2	: S1VB60			Q52	: 2SC1318A (R)
D3	: S4VB20F	Q1	: 2SA1449 (P)	Q101, 108	: 2SA933S (R, S)
D4	: D4SBS6	Q2, 4, 106	: 2SC2551 (O)	Q102, 104	: 2SA1208 (S)
D5, 6, 51, 52, 109~111	: 1SS133	Q3	: 2SA1304	Q103, 105	: 2SC2910 (S)
				Q107	: 2SD613 (E)

CS-5355/5375

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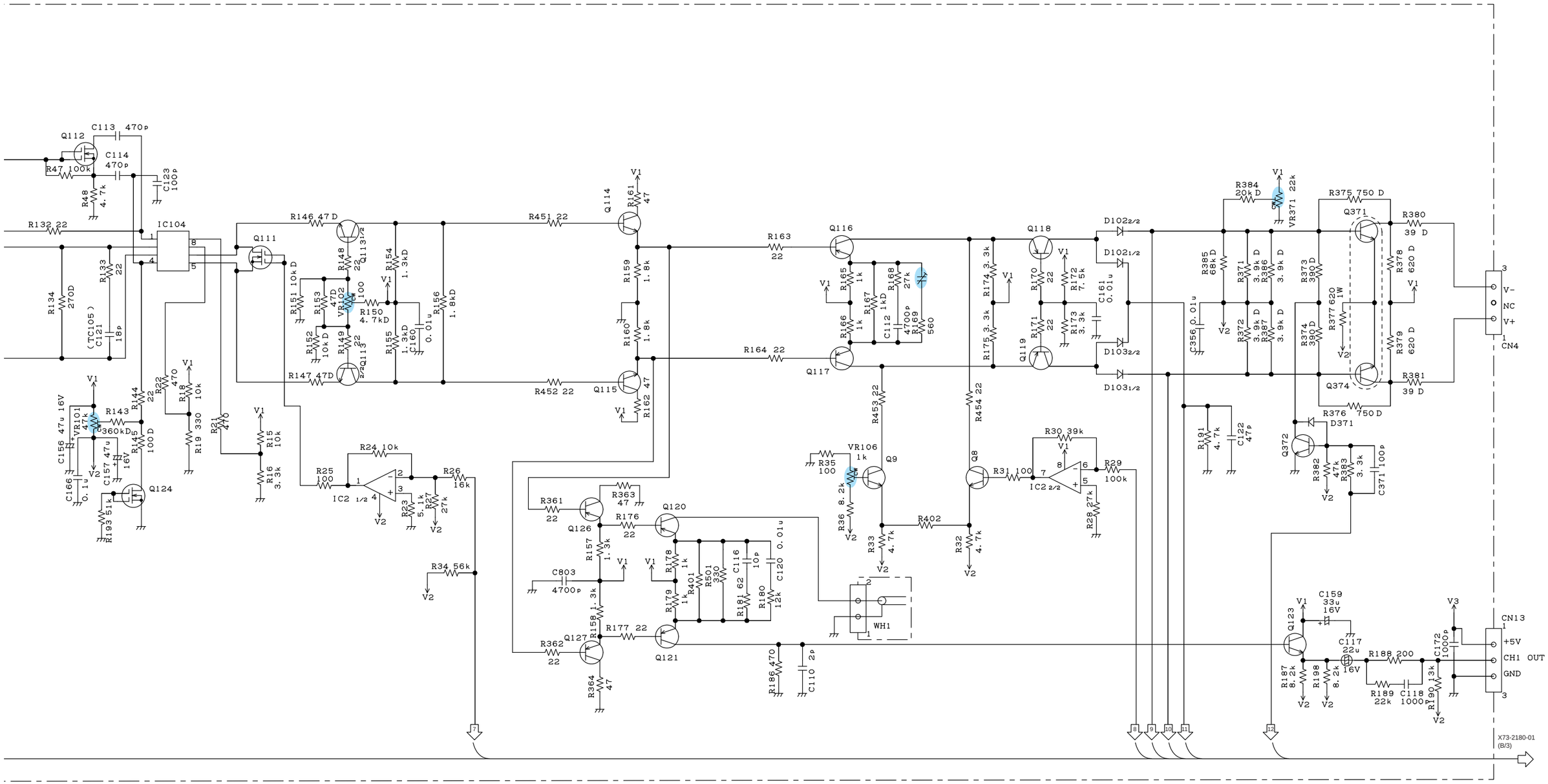
AT AU AV AW AX AY AZ BA BB BC

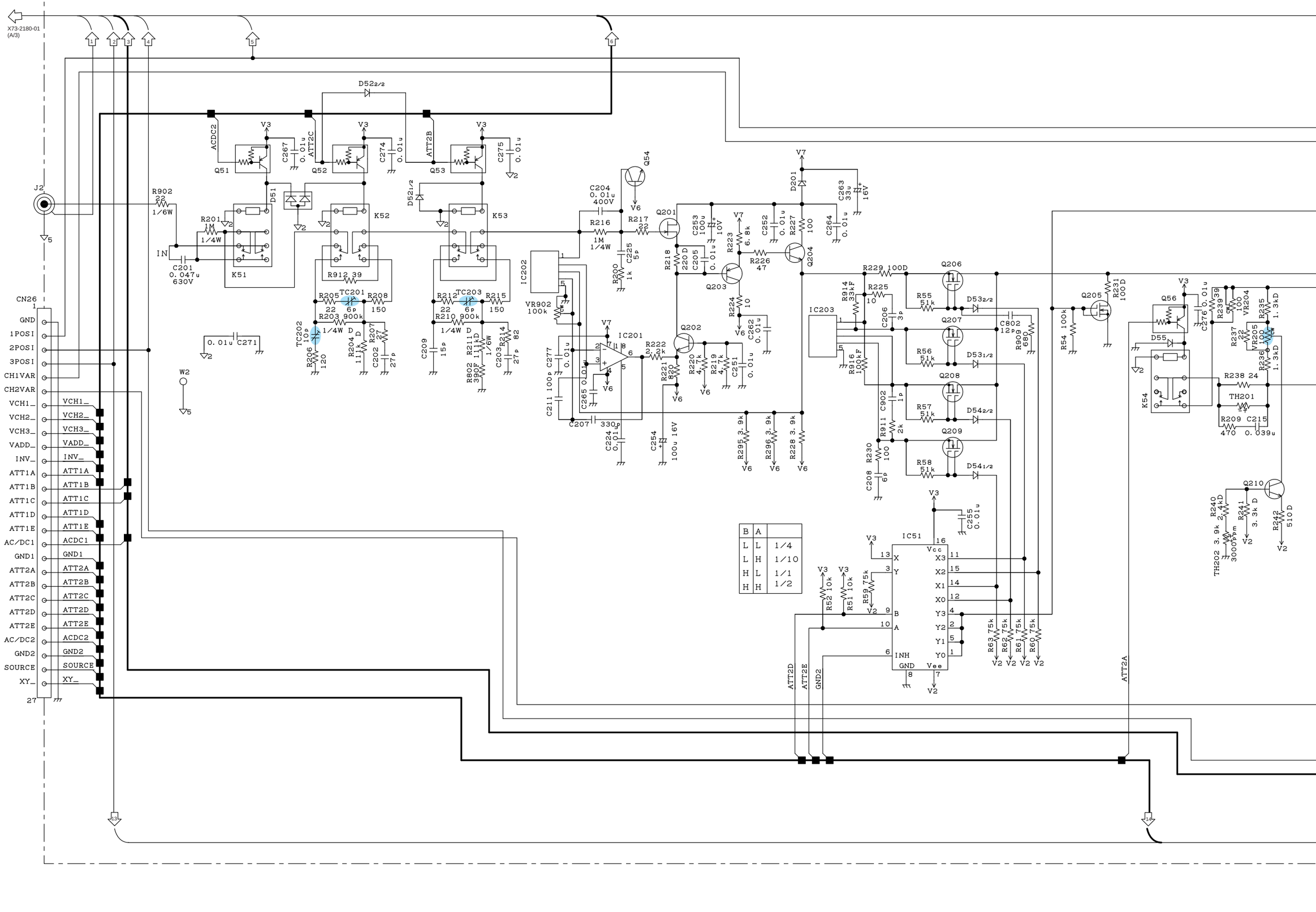
1 2 3 4 5 6 7

X73-2180-01 (A/3)

B	A	
L	L	1/4
L	H	1/10
H	L	1/1
H	H	1/2


Q112
C113 470p
C114 470p
R47 100k
C123 100p
R48 4.7k
R132 22
IC104
R133 22
R134 270D
(TC105)
C121 18p
Q111
R146 47D
R147 47D
R148 22
Q113 1/2
Q113 2/2
R149 22
R150 4.7kD
R151 10kD
R152 10kD
R153 470
VR102 100
R154 1.3kD
R155 1.3kD
C160 0.01u
R156 1.8kD
R451 22
R452 22
Q114
R161 47
R159 1.8k
R160 1.8k
Q115
R162 47
R163 22
R164 22
Q116
Q117
R165 1k
R166 1k
R167 1k
R168 27k
C112 1kD
R169 560
C112 4700p
R174 3.3k
R175 3.3k
R453 22
R454 22
Q118
Q119
R170 22
R171 22
R172 7.5k
R173 3.3k
C161 0.01u
D102 2/2
D102 1/2
D103 2/2
D103 1/2
R384 20kD
VR371 22k
R385 68kD
R371 3.9kD
R386 3.9kD
R387 3.9kD
R372 3.9kD
R373 390D
R374 390D
C356 0.01u
R375 750D
Q371
R380 39D
R378 620D
R379 620D
R377 620 1W
Q374
R381 39D
R376 750D
D371
Q372
R382 47k
R383 3.3k
C371 100p
R191 4.7k
C122 47p
R30 39k
R31 100
R29 100k
IC2 2/2
R28 27k
R32 4.7k
R33 4.7k
R402
VR106 1k
Q9
Q8
R35 100
R36 8.2k
WH1
R361 22
R363 47
Q126
Q120
R176 22
R157 1.3k
R158 1.3k
C803 4700p
R178 1k
R401 1k
R501 330
C116 10p
C120 0.01u
R179 1k
R181 62
R180 12k
Q127
Q121
R177 22
R362 22
R364 47
R186 470
C110 2p
R24 10k
R25 100
IC2 1/2
R26 16k
R23 5.1k
R27 27k
R34 56k
R143
VR101 47k
C360k D
R144 22
R145 100D
R18 10k
R19 330
R22 470
R21 470
R15 10k
R16 3.3k
C156 47u 16V
C157 47u 16V
C166 0.1u
R193 51k
Q124
C159 33u 16V
Q123
C117 22u 16V
R187 8.2k
R198 8.2k
R188 200
R189 22k
C118 1000p
C172 1000p
R190 13k
CN13
+5V
CH1 OUT
GND
CN4
V-
NC
V+
X73-2180-01
(B/3)

X73-2180-01 (B/3)



B	A	
L	L	1/4
L	H	1/10
H	L	1/1
H	H	1/2

CH CI CJ CK CL CM CN CO CP CQ

1 2 3 4 5 6 7

X73-2180-01 (C/3)

X73-2180-01 (B/3)

J3 R903 22 1/6W

W3

C358 0.01u

R406 0 R309 22 TC303 6p R312 22 R307 706k 1/4W D R308 417kD 1/6W R310 1k 10p 500V R311 51 C302 10p 500V C370 4700p 500V R407

C303 0.01u 400V R314 1M 1/4W R313 1M 1/4W F C351 0.01u Q305 Q301 D301 R317 330 D C304 33p Q302 C355 100u 10V C359 0.01u

R315 4.7k R316 4.7k TH301 1k 3000ppm C352 25V 47u R318 1.5k

C353 0.01u VR301 47k C360 0.01u R324 13k R323 680 Q304 R322 47

R321 47 Q303 R319 3.6k R320 3.6k

Q306 R325 1.1k R326 1.1k TC305 10p R328 360 R327 910 VR302 1k Q307 Q308 R329 3.3kD R330 6.8kD C305 0.01u R331 430 D

C315 10p R355 27k R334 27k R335 24k C306 0.01u R336 150 R332 820 D R333 820 D D302 R337 150

Q309 R338 3.6k R339 6.8k C314 10p R359 47k R340 3.6k R341 6.8k C357 0.01u Q310

D303 1/2 D303 2/2 D304 1/2 D304 2/2

C312 47p R360 4.7k

SOURCE SCH1_ SCH1V SCH3L SLINE_

R37 2.2k

IC401 1/4 IC401 2/4 IC401 3/4 IC401 4/4

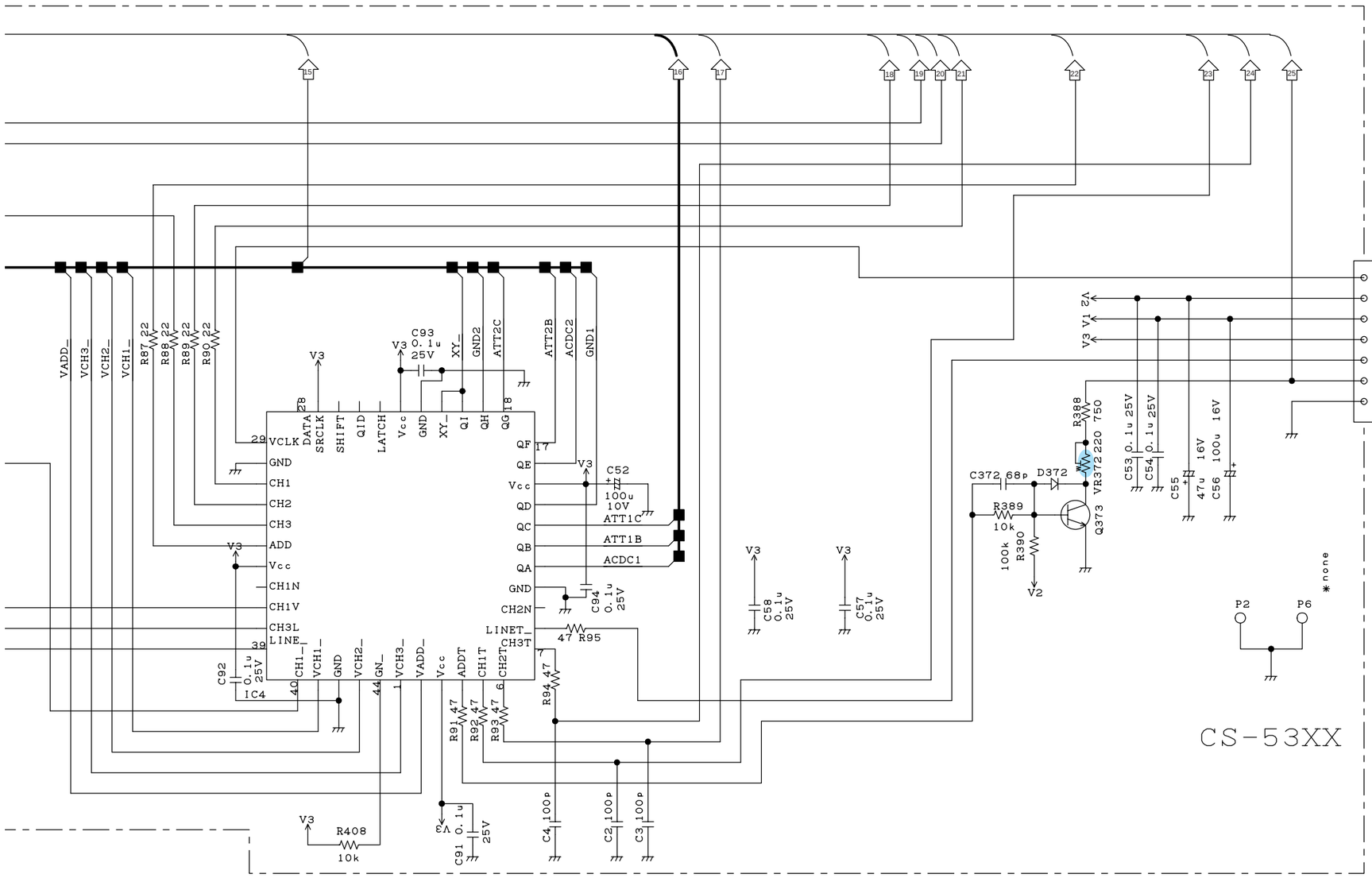
R38 16kD R39 5.1kD R40 5.1kD R41 5.1kD R42 5.1kD

R43 10k R44 10k R45 10k R46 10k

R610 R620 none R630 none R611 R621 none R631 none

R342 3.6k Q311 R343 47 C369 0.01u R405 1.5k R345 10k VR303 22k WH3

C400 0.01u IC401



IC1, 51 : HD14052BFP
IC2, 52 : NJM4558V
IC4 : 7032LC44-NA0
IC101, 201 : LT1097S8
IC102, 202 : KMX01
IC103, 203 : KMX02
IC104, 204 : HFA3101B
IC401 : NJM2902V

Q1~3, 6, 51~53, 56 : DTA114YKA
Q4, 54, 102, 202, 305 : 2SC2714 (O)ÉbDM
Q8, 9, 57~59, 372, 373 : 2SC2412K (R)

Q101, 201, 301 : 2SK508 (K52)
Q103, 116~122, 126, 127
203, 216~222, 226, 227
303, 304, 309~311, 313 : 2SA1738 (R)

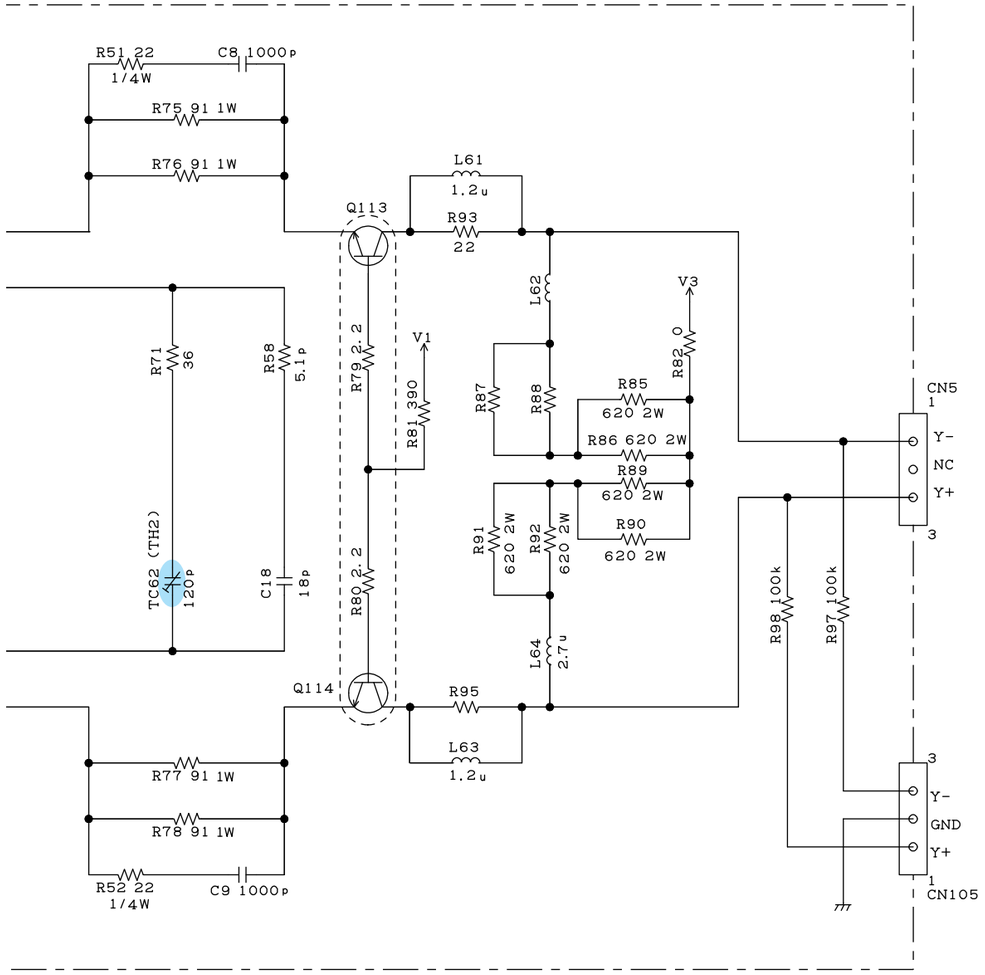
Q104, 114, 115, 204, 214
215 : 2SC3775 (3)
Q105~109, 111, 112, 124
205~209, 211,212, 224 : 3SK184 (S)

Q110, 123, 210, 302, 306
307, 308, 312 : 2SC2735
Q113, 213 : IMX5
Q 374 : 2SC3779 (D)

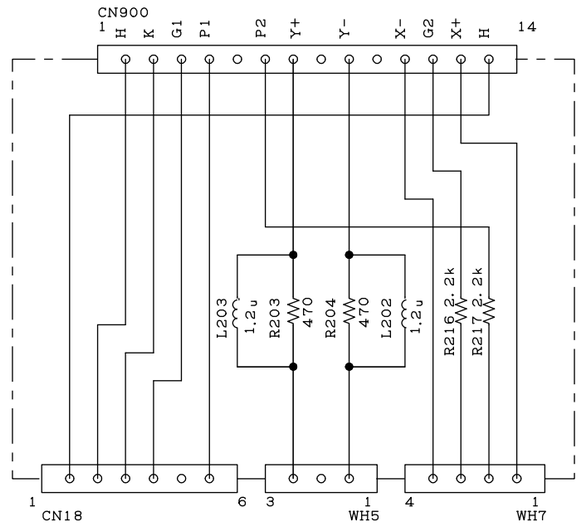
D1, 51, 104, 204, 306 : DAP202K
D2~4, 52~54, 102, 103
202, 203, 303, 304 : 1SS272
D5, 55, 302, 371, 372 : MA111
D101, 201, 301 :UDZ6, 8B (5)

X73-2210-01 A/4(FINAL AMP UNIT)

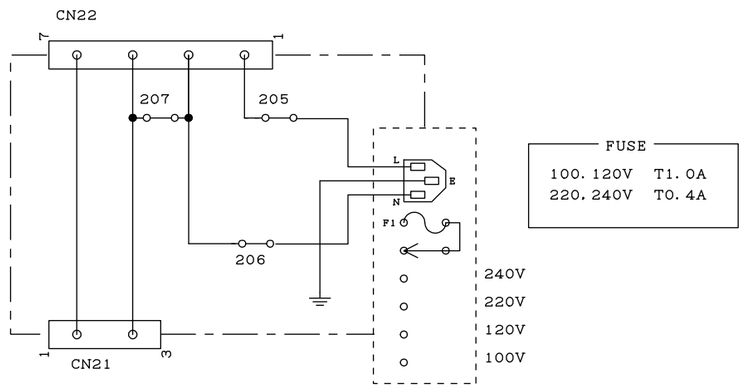
Q1, 2	: 2SA1161
Q3, 4, 201, 202	: 2SC3779 (D)
Q9~12	: 2SC2644
Q100	: 2SC1740S (R, S)
Q105~108	: 2SC1907
Q113, 114	: 2SC3952 (D)
D100, 101	: MA700



X73-2210-01 C/4
(CRT SOCKET)

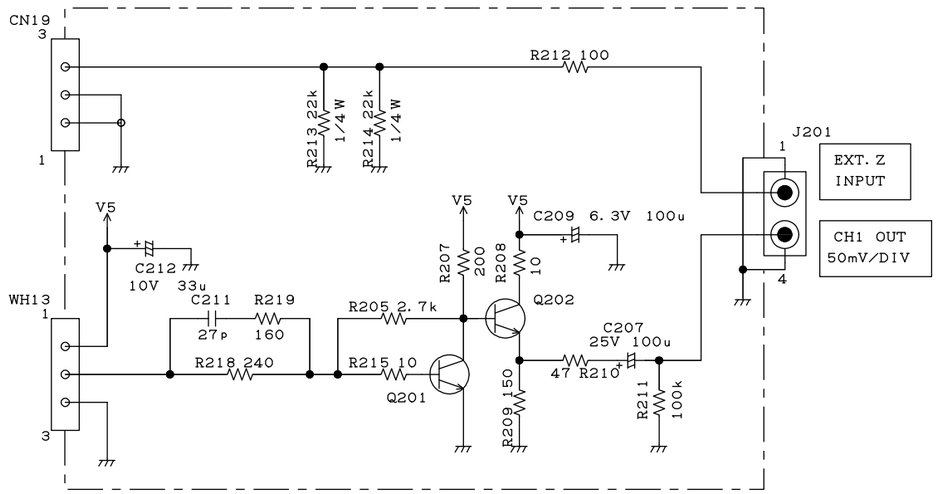


X73-2210-01 B/4
(AC SELECTOR)



FUSE
100. 120V T1. 0A
220. 240V T0. 4A

X73-2210-01 D/4
(BNC CONNECTOR)



CS-5355

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DV DW DX DY DZ EA EB EC ED EE

1 2 3 4 5 6 7

X73-2210-03 A/4(FINAL AMP UNIT)

CN4 1 DL+ NC DL- 3

C10 7P R5 130 C108 0.01u 16V R1 2k R2 1.8k R4 220 R6 220 R17 22 R18 22 R7 750 R8 910 TH15 130 (R15) R9 910 TH16 130 (R16) R3 8.2k 1/4W R14 27k V2 Q1 Q2 R10 22 R13 22 R11 1.3k R12 1.3k V2 C302 10u 16V C300 470u 6.3V C301 470u 6.3V C1 0.01u C2 0.047F C3 0.047F C4 0.047F R100 6.2k R101 6.2k R102 20k R103 20k R23 75k R19 11k R27 3.3k R28 3.3k R59 15k 5.5V R24 33k C14 390P R20 2k R22 560 F R25 220 R26 220 VR1 1k TC1 20P Q3 Q4 R29 22 R30 22 R39 1.8k C15 6P C16 6P V1

D100 Q5 D101 Q6 C110 1000P R63 22 Q7 Q9 R65 47 R49 47 Q10 R66 47 R61 430 R73 100 1W R46 1.3k R47 910 R42 1k R44 5.6k R43 1k R45 3.6k C111 0.01u 16V VR3 1k R48 910 R62 430 R74 100 1W R50 47 Q11 R67 47 Q8 R68 47 Q12 R64 22 TH1

CN114 5 -12V +12V +55V NC GND 1

CN14 9 +55V NC +12V -12V R/O-Y GND R/O REQ T. SEP GND 1

L2 10u V3 V1 V2

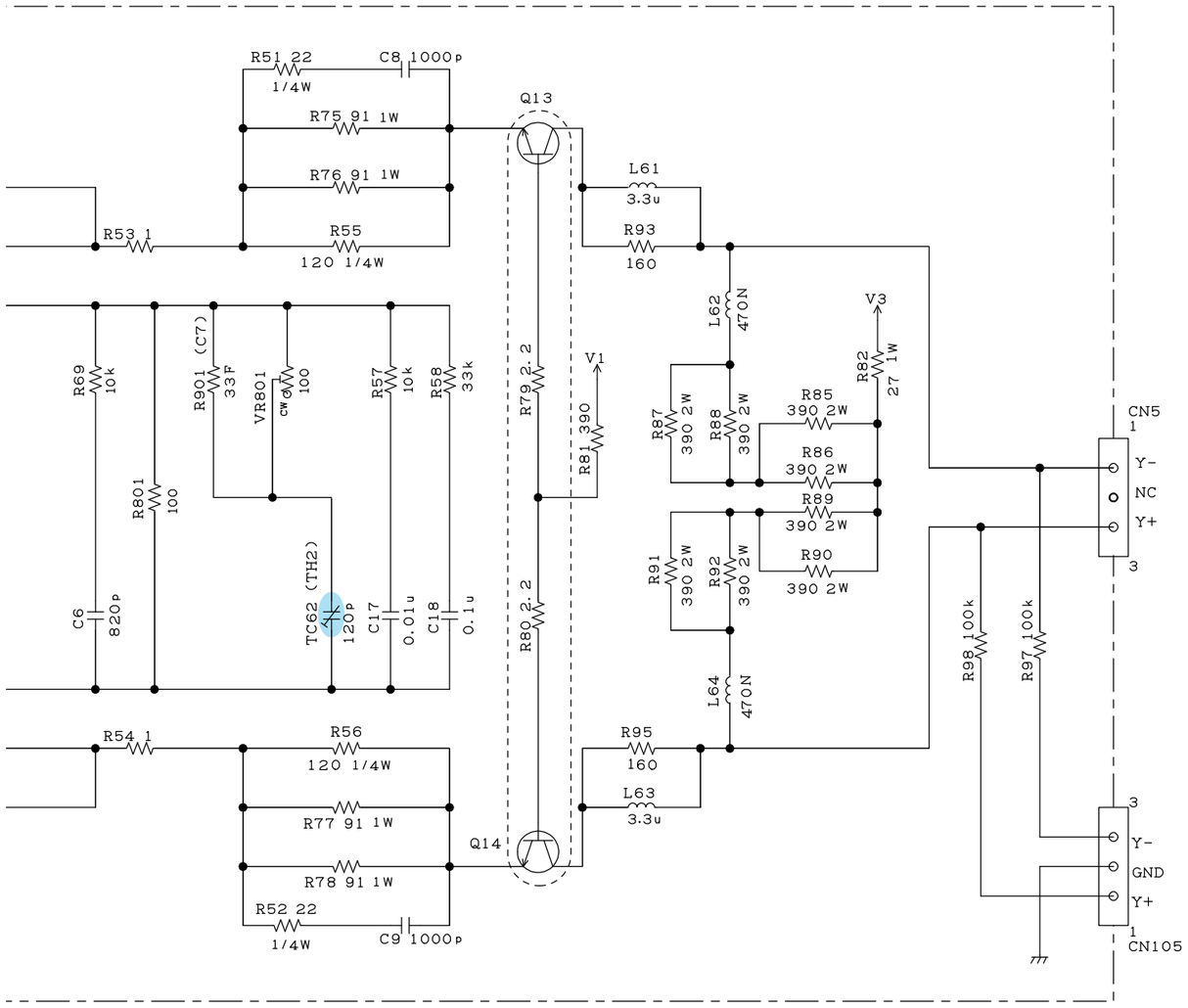
C11 47P C101 25V 100u C102 0.01u C103 25V 100u C104 0.01u C106 0.1u C107 0.01u

Q100 R38 10k VR4 22k R32 2.2k 1/4W R33 6.2k R34 240

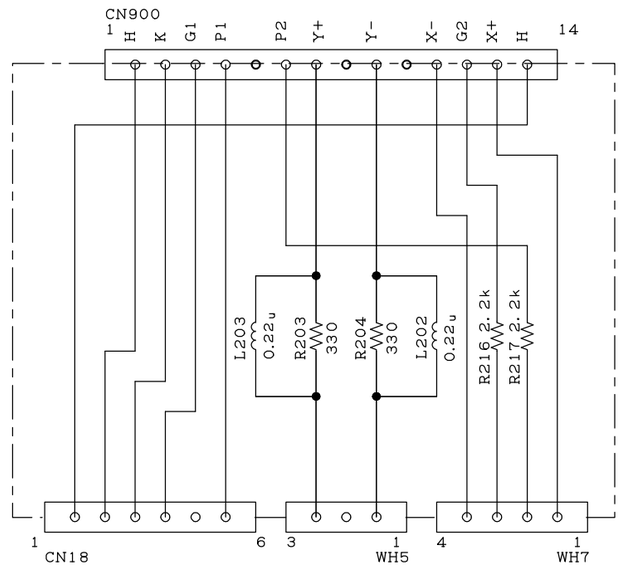
P1 P2 P3

Q1, 2 : 2SA1161
Q3–12, 201, 202 : 2SC3779 (D)
Q13, 14 : 2SC1252
Q100 : 2SC1740S (R, S)

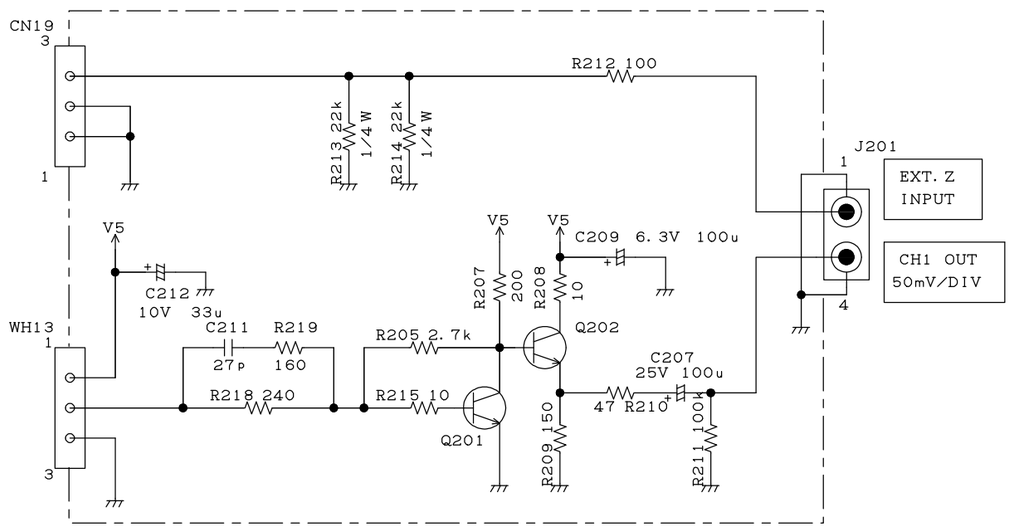
D100, 101 : MA700 (7)



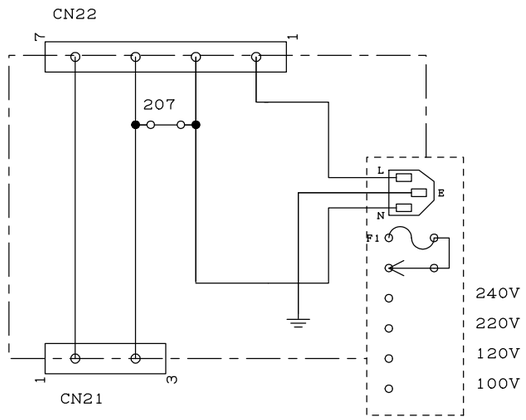
X73-2210-03 C/4 (CRT SOCKET)



X73-2210-03 D/4 (BNC CONNECTOR)



X73-2210-03 B/4 (AC SELECTOR)

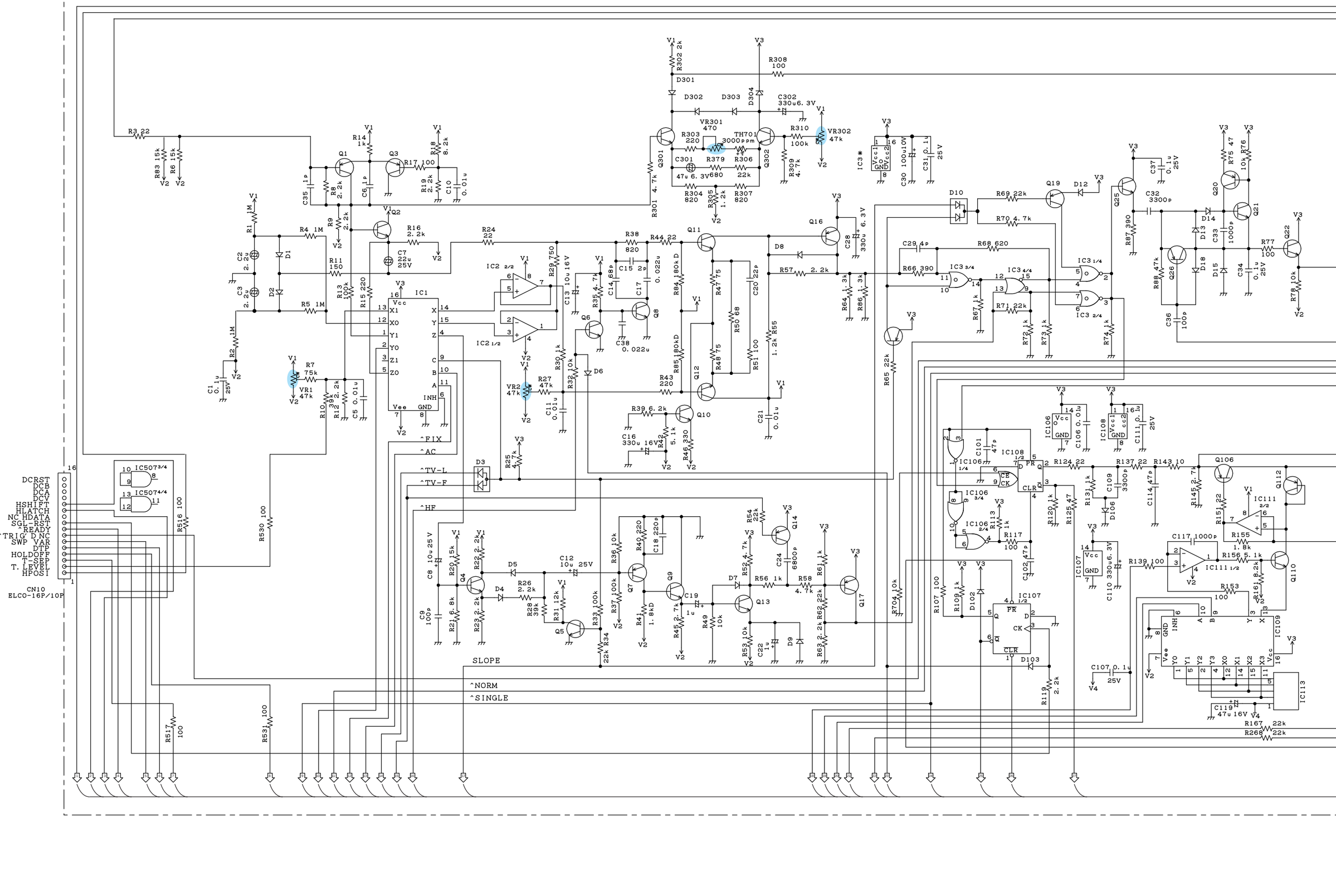


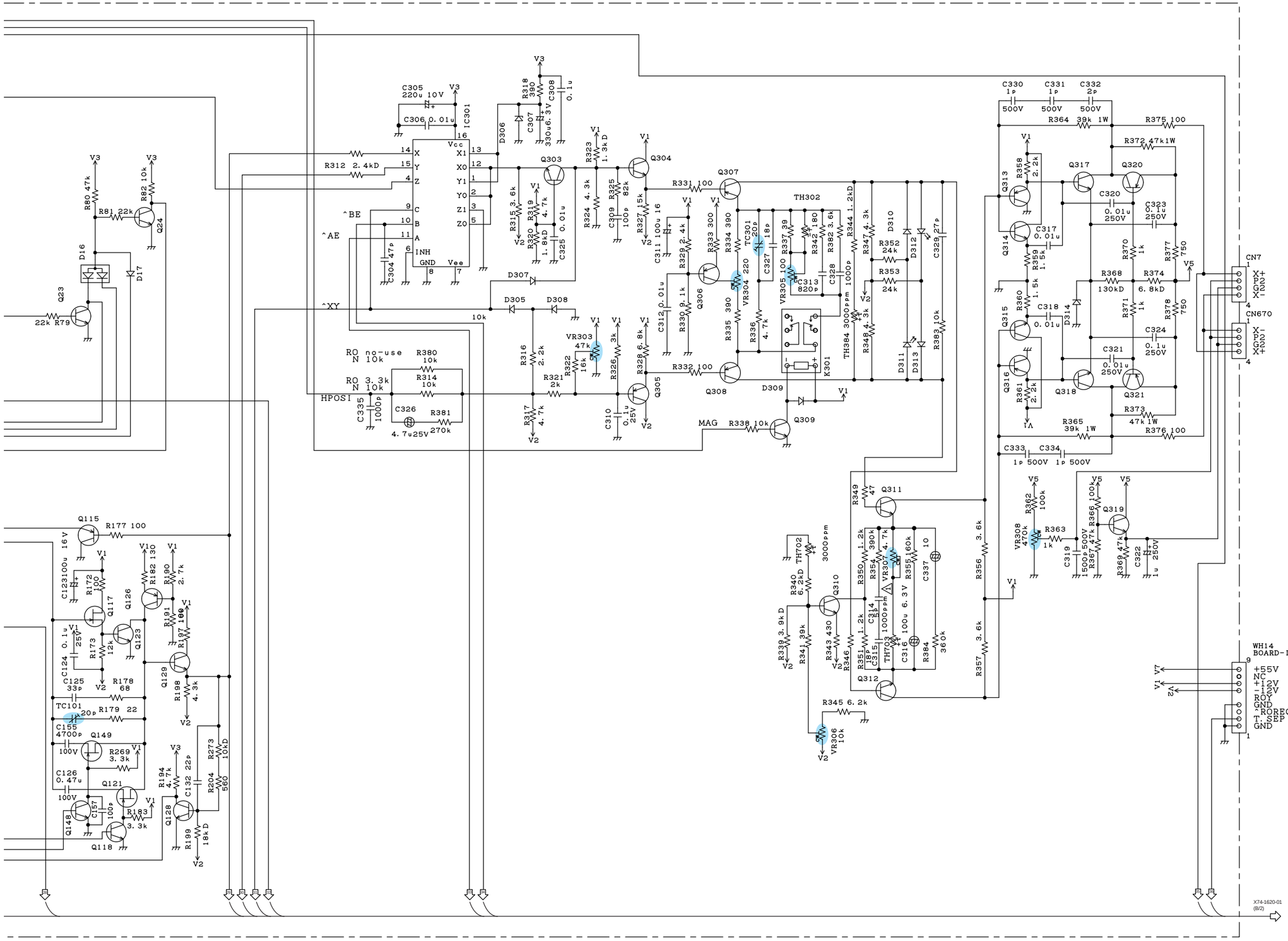
FUSE	
100. 120V	T1. 0A
220. 240V	T0. 4A

CS-5375

KENWOOD

X74-1620-01/03





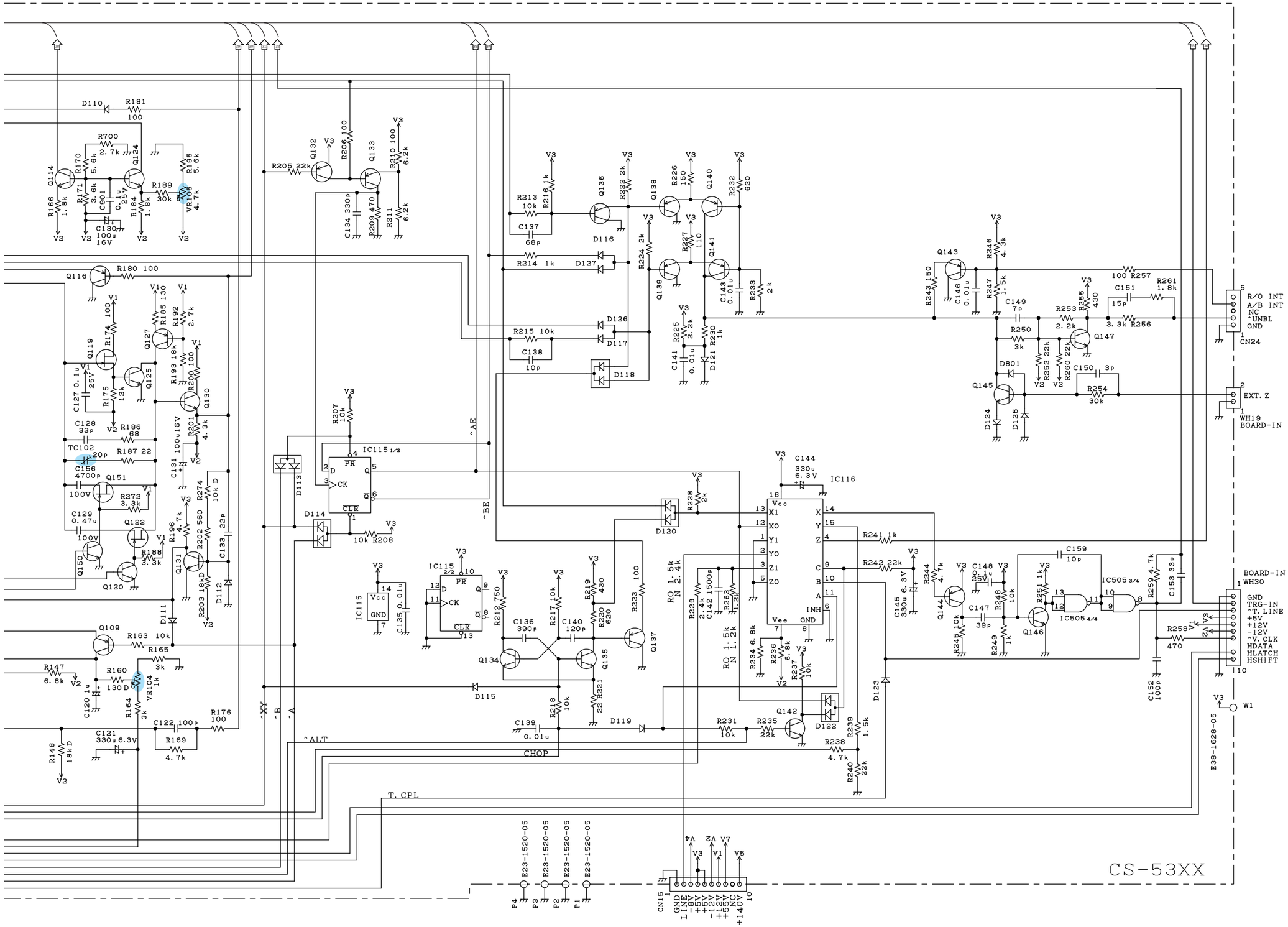
IC1, 104, 105	: TC4053BF
IC2	: NJM072M
IC3	: MC10102P (CS-5355) MC10H102P (CS-5375)
IC101	: NJM4558V
IC102, 103	: KMX03
IC106	: SN74ALS02ANS
IC107, 115	: SN74ALS74ANS
IC108	: MC10131P (CS-5355) : MC10H131P (CS-5375)
IC109, 110	: TC4052BF
IC111, 112	: UPC812G
IC113, 114	: KMX04
IC116, 301	: TC74HC4053AF
IC501~503	: NJM2901V
IC504	: SN74ALS00ANS
IC505, 506	: TC74HC00AF
IC507	: TC74HC08AF
Q1, 3, 16, 20, 26, 103, 144 313, 316	: 2SA1738 (R)
Q2, 25, 123, 125, 129, 130 311, 312, 314, 315	: 2SC2735
Q4~6, 9, 13, 21~24, 101 102, 108, 114, 118, 120 124, 142, 145, 148, 150 301~304, 309, 310	: 2SC2412K (R, S)
Q7, 14, 106, 107, 112, 113 136, 138~141, 307, 308	:2SA1226 (E4)
Q8, 10, 128, 131, 134, 135 146, 147	: 2SC2714 (O)
Q11, 12	: 2SC3775 (3)
Q17, 18, 19, 104, 109, 115 116, 126, 127, 132, 133 137, 143, 305, 306.	: 2SA1037K (R, S)
Q105	: FMW1
Q110, 111	: 2SC3115 (D27)
Q117, 119	: 2SK209 (Y)
Q121, 122, 149, 151	: 2SK209 (BL)
Q317, 318	: 2SC4732 (E)
Q319	: 2SC2551 (O)
Q320, 321	: 2SA1828 (E)
D1, 2, 6~8, 13, 14, 17, 18 102, 105, 106, 126, 127 301, 310, 313	: RB751V - 40
D3, 10, 16, 104, 109, 113 114, 118, 120, 122	: DAP202K
D4, 5, 9, 12, 15, 101, 103 107, 108, 110~112, 115 116, 117, 119, 121, 123, 124, 125, 302, 303, 305 307~309	: MA111
D304, 306	: UDZ3, 0B
D311, 312	: TLR112
D314	:UDZ5, 1B
D801	: MA700

X74-1620-01/03

X74-1620-01
(A2)

CN29
^ALT/CHOP
^BTRIGD
MAG
SLOPE
H-MODE
COUPL
MODE

IC501 IC502 IC503 IC504 IC505 IC506 IC507
IC101 IC102 IC103 IC104 IC105 IC106 IC107 IC108 IC109 IC110 IC111 IC112 IC113 IC114
Q101 Q102 Q103 Q104 Q105 Q107 Q108 Q111 Q113
D101 D104 D105 D107 D108 D109
L101 TUOIM
CN25 ELCO-12P
^XY
^B. TRIG' D
BSD0
BSD3
ASD0
ASD3
HF
AC
NORM
FIX
SINGLE
ALT
A
B
TVV
TVH

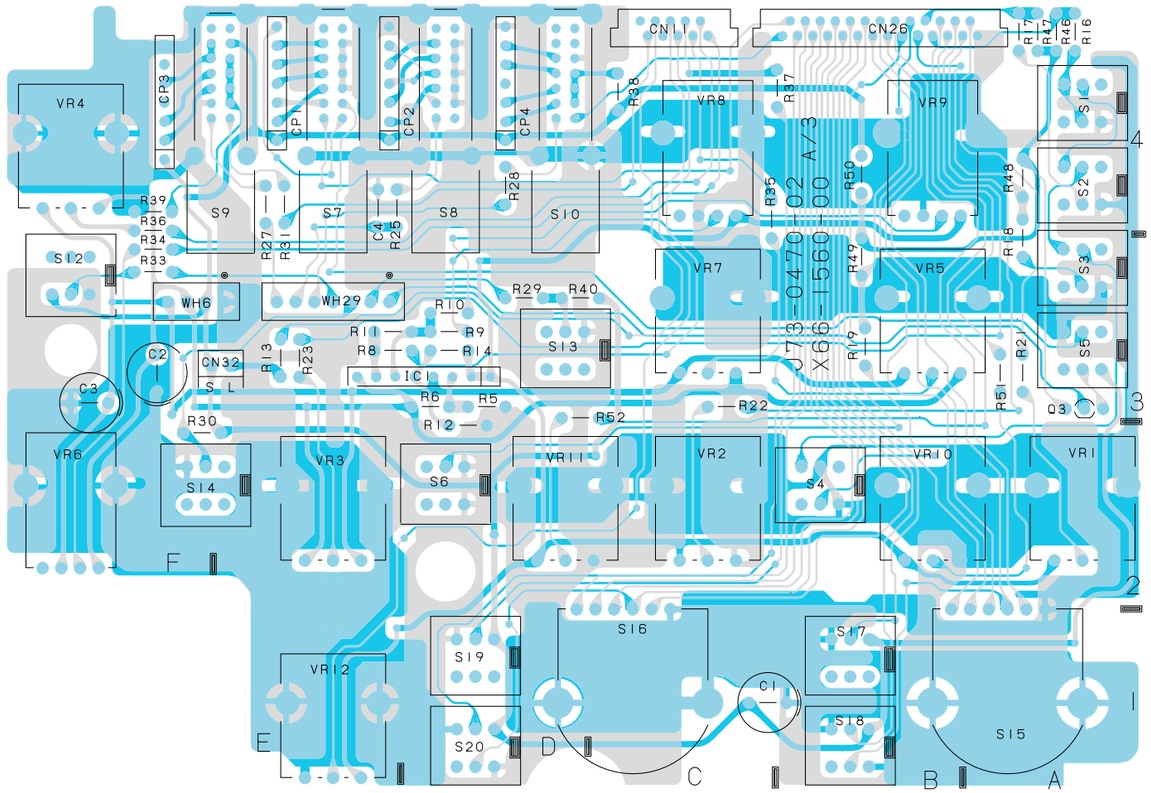


CS-5355/5375

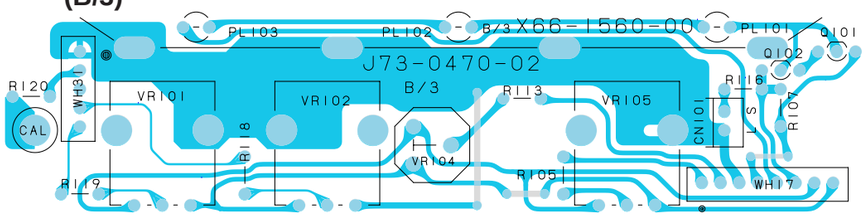
KENWOOD

PC BOARD(Component side view)

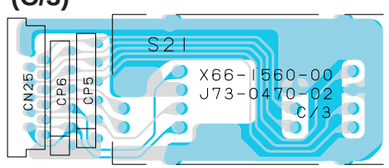
PANEL UNIT (X66-1560-00 A/3)



(B/3)

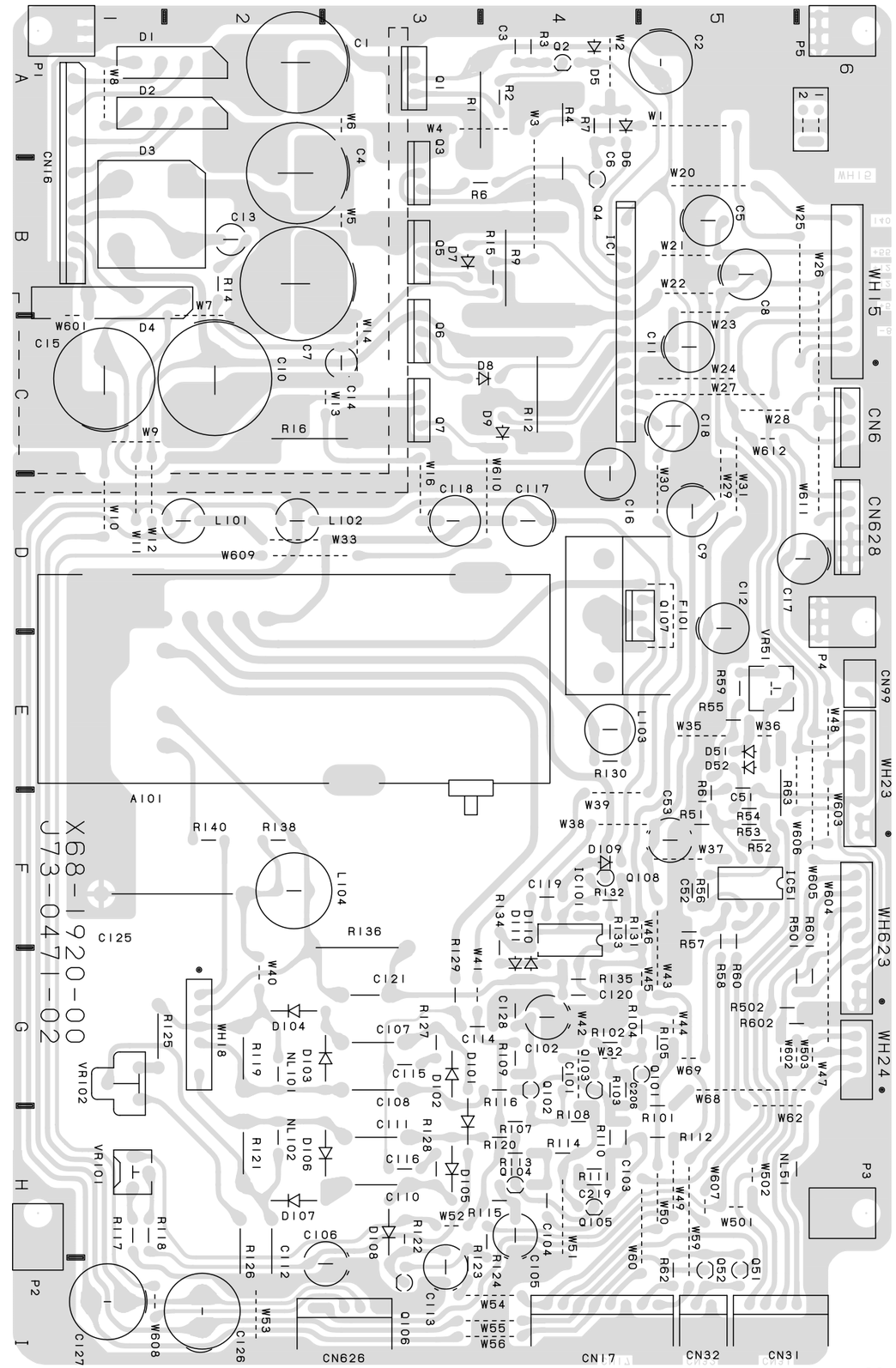


(C/3)

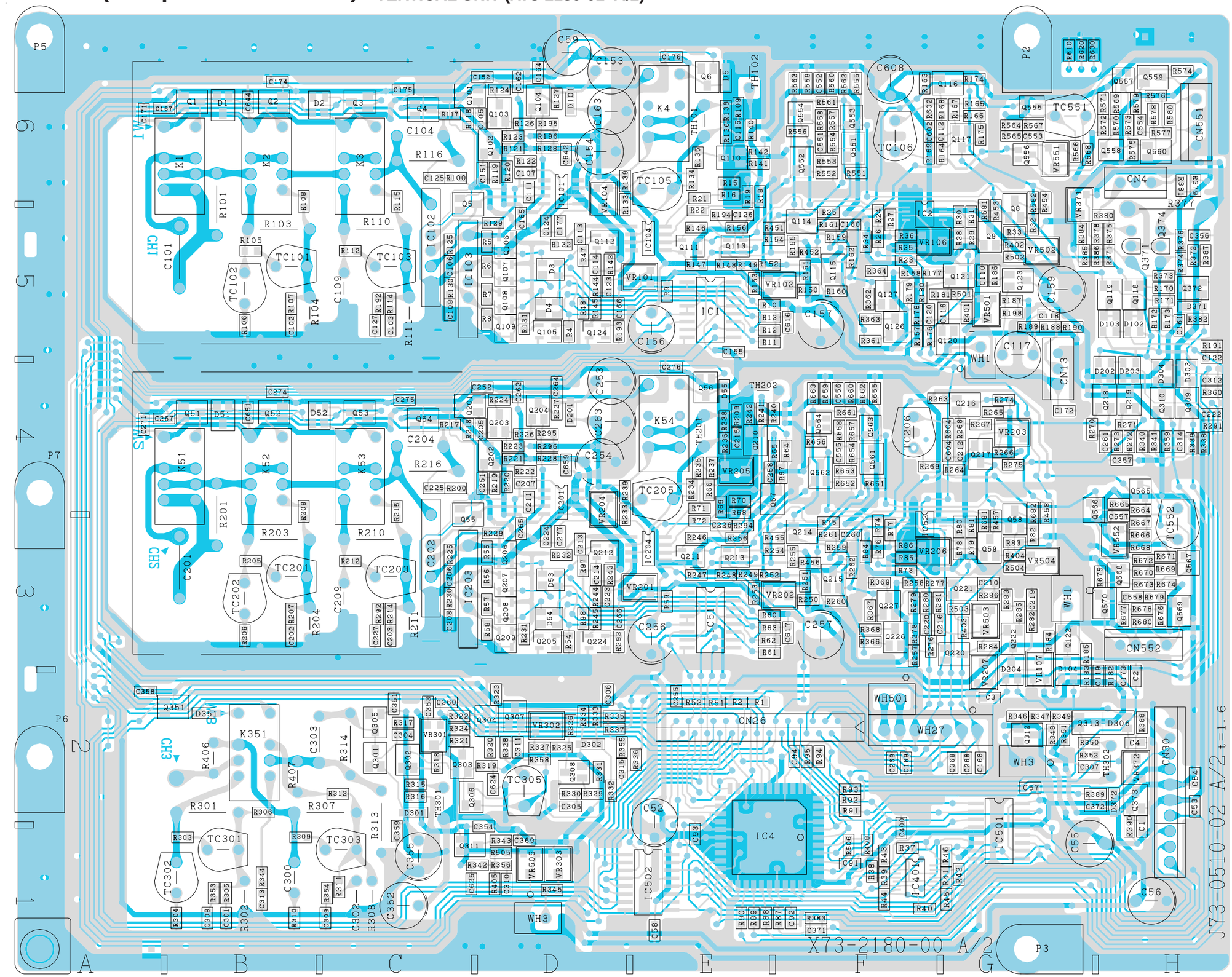


Refer to the schematic diagram for the value of resistors and capacitors.

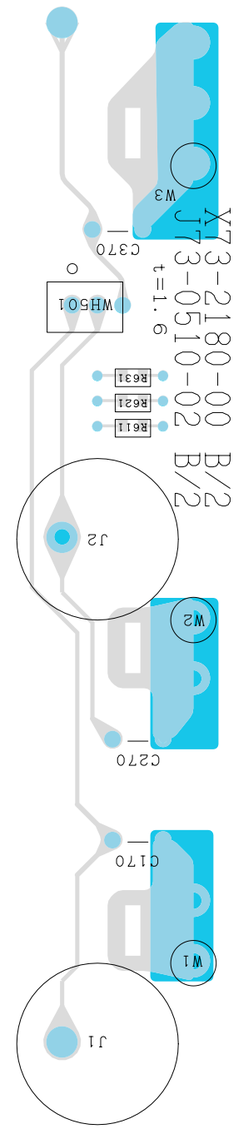
POWER & HIGH VOLTAGE UNIT (X68-1920-01)



PC BOARD(Component side view) VERTICAL UNIT (X73-2180-01 A/2)

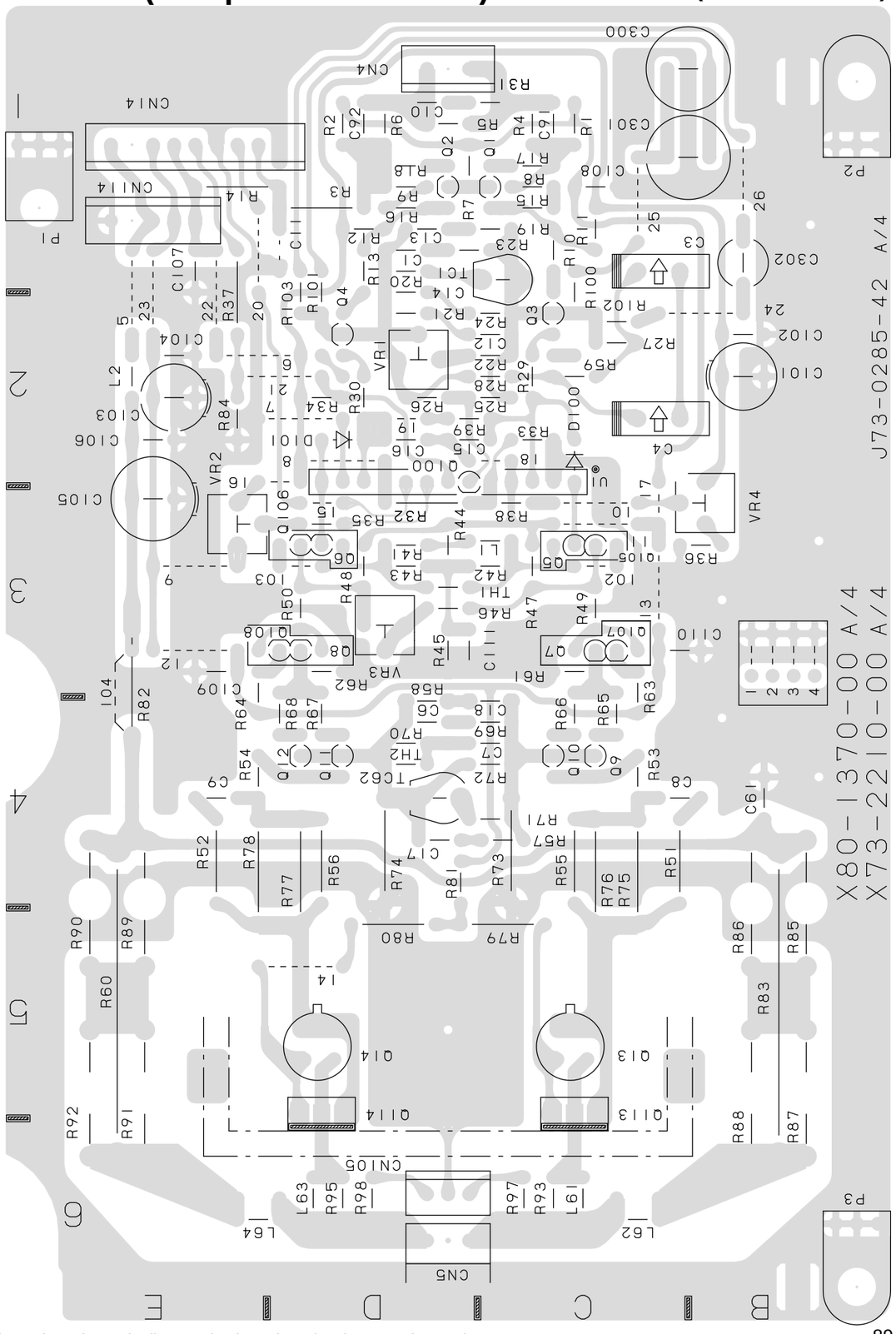


(B/2)



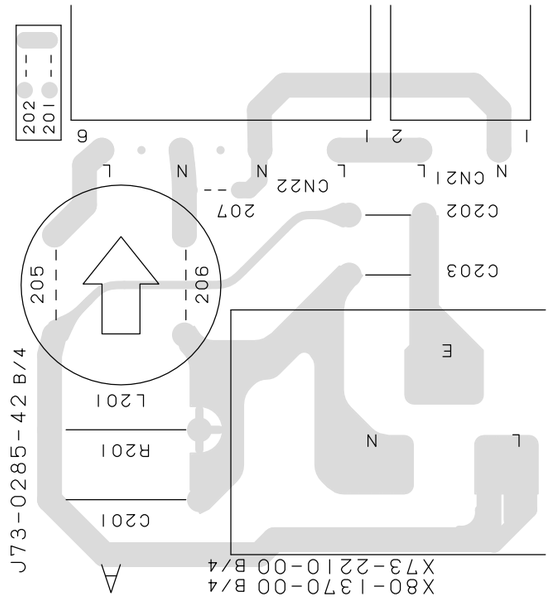
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(Component side view) FINAL AMP UNIT (X73-2210-0X A/4)

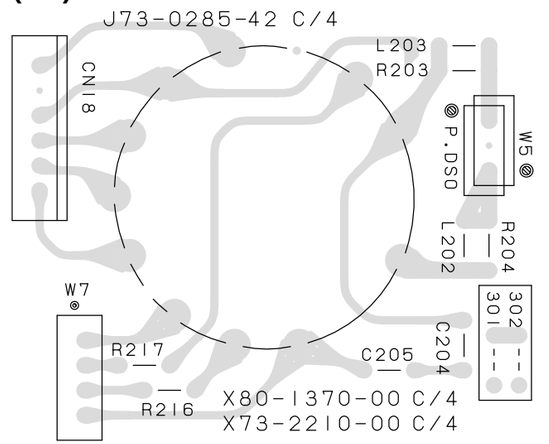


Refer to the schematic diagram for the value of resistors and capacitors.

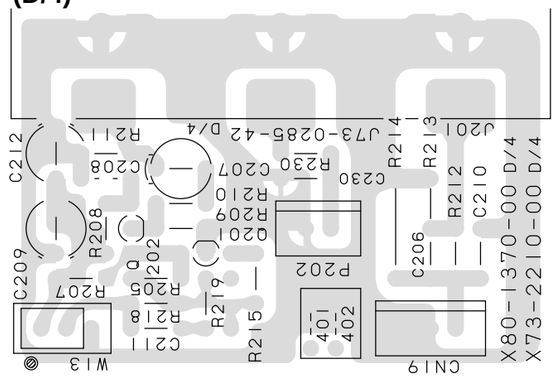
(B/4)



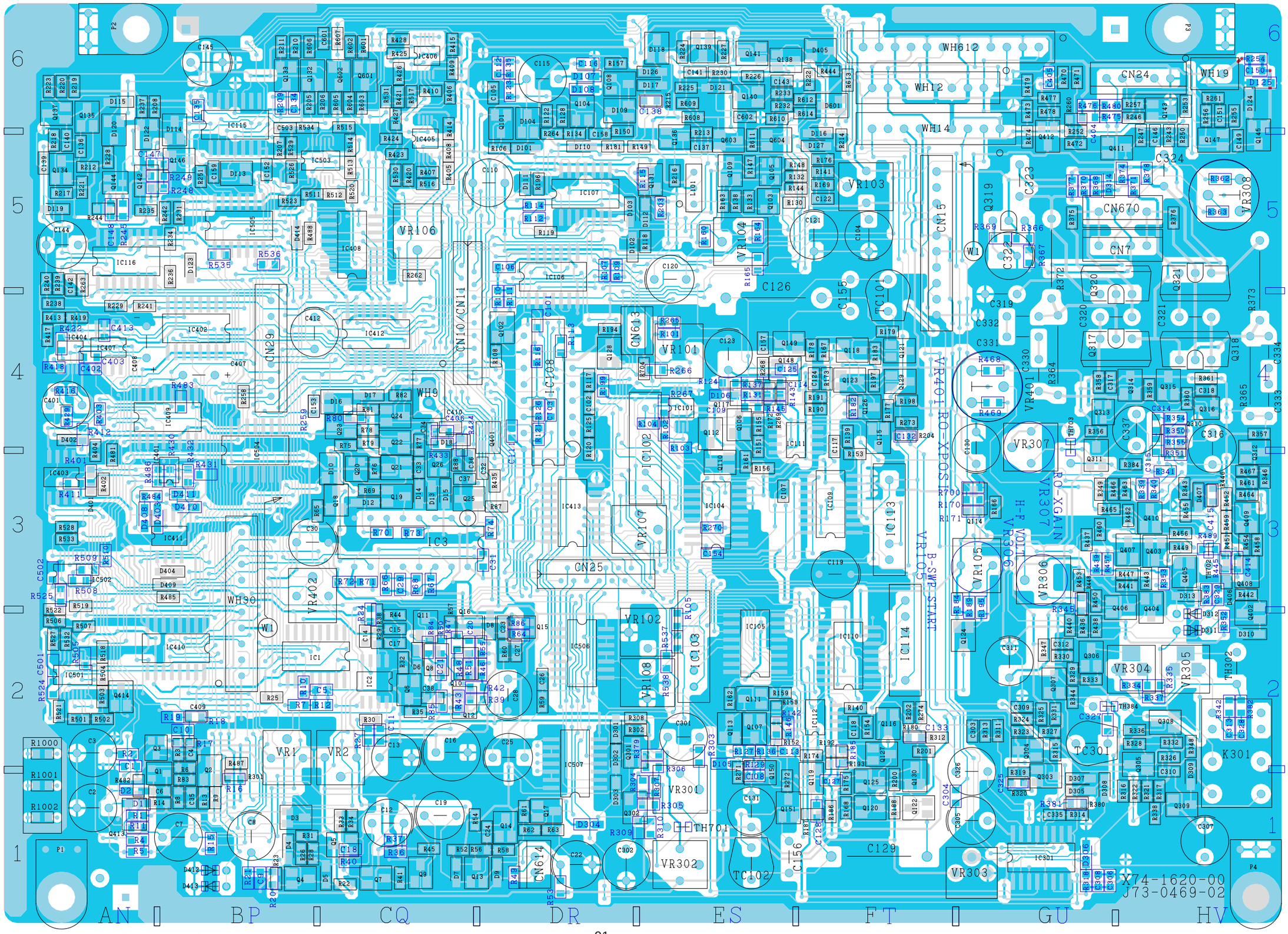
(C/4)



(D/4)



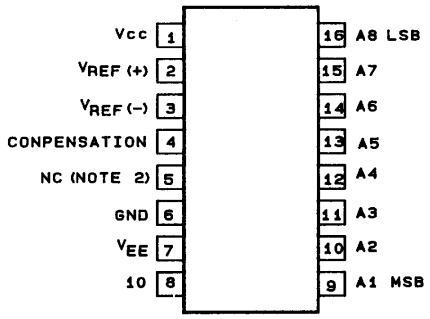
PC BOARD(Component side view) HORIZONTAL UNIT (X74-1620-0X)



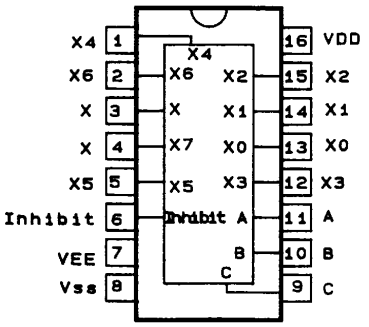
Refer to the schematic diagram for the value of resistors and capacitors.

SEMICONDUCTORS

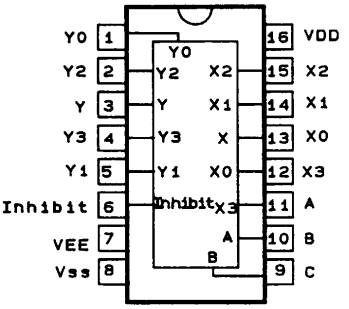
DAC0808LCM



HD14051BFP



HD14052BFP



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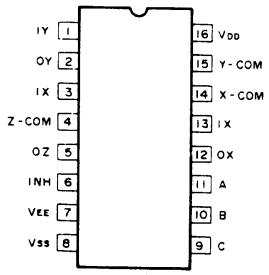
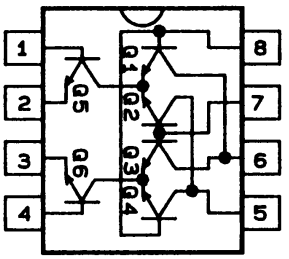
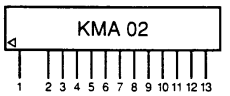


HFA3101B

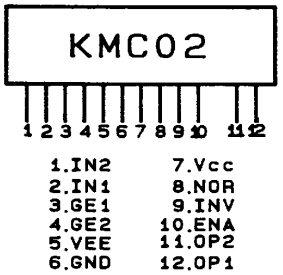


KMA02

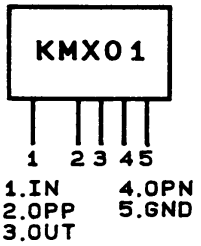


1. +140 V output
2. +140 V control
3. +55 V control
4. +55 V output
5. +12 V control
6. +12 V output
7. −12 V control
8. −12 V output
9. +5 V control
10. +5 V output
11. Sweep time reference voltage output
12. External capacitor connection
13. GND

KMG01



KMX01



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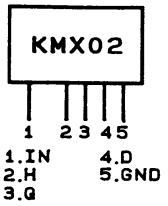
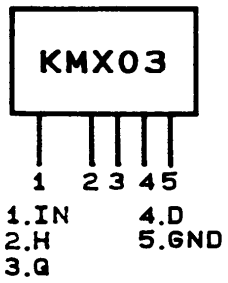
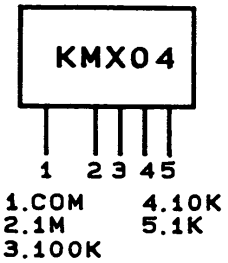


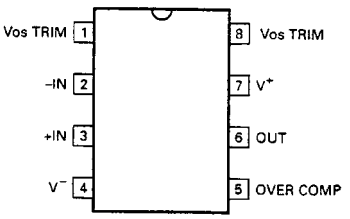
KMX03



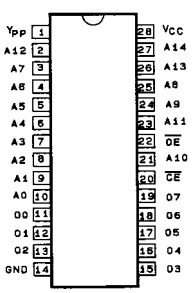
LMX04



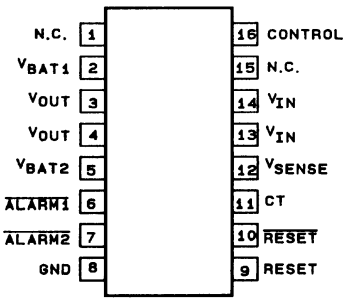
LT1097S8



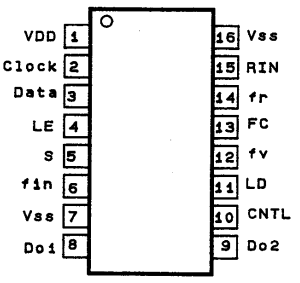
M27C256B-CXO



MB3790PF



MB86001PF-GBND



SEMICONDUCTORS

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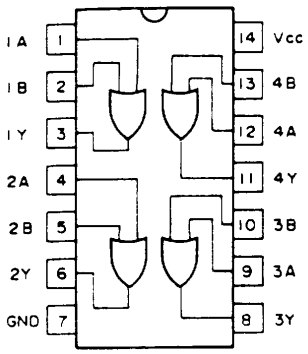
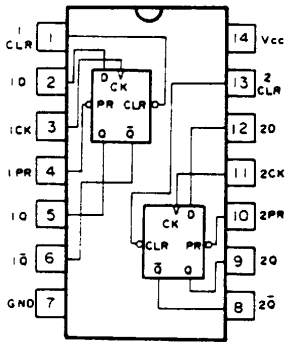
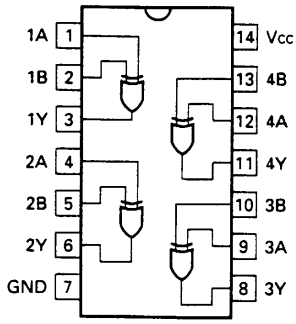


HD74LS74AFP



HD74LHC86FP



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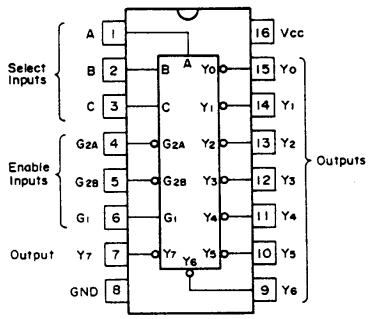
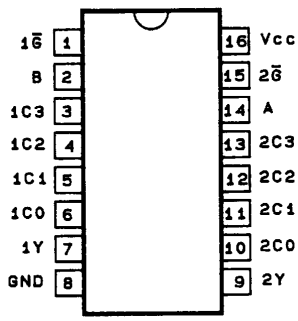


HD74LS153FP



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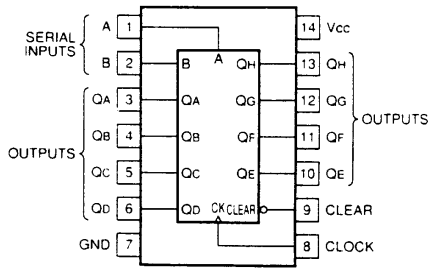

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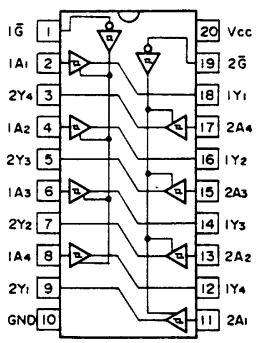

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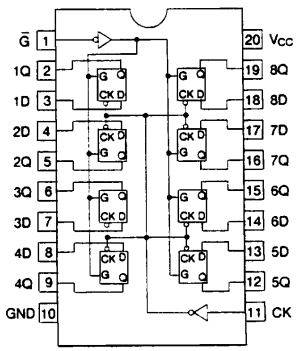

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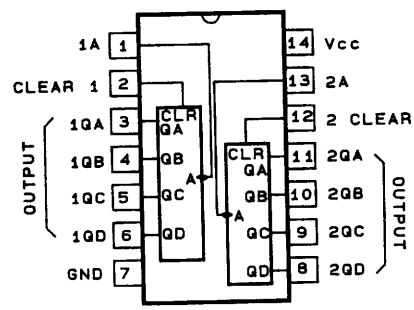
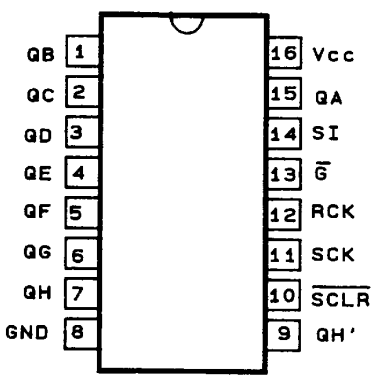
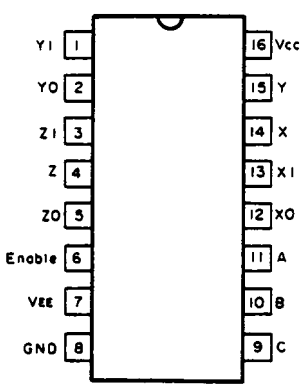


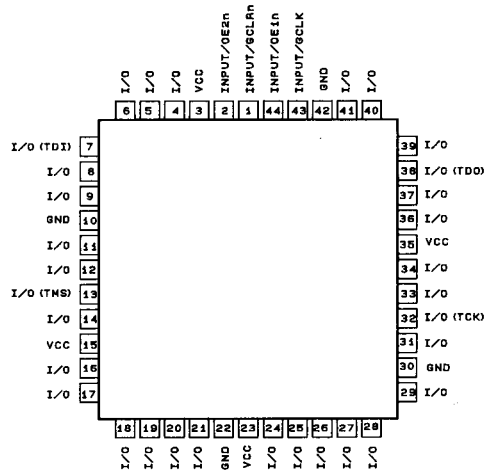
HD74HC595FP



TC74HC4053AF

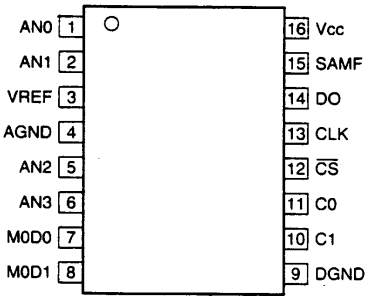


7032LC44-NAO

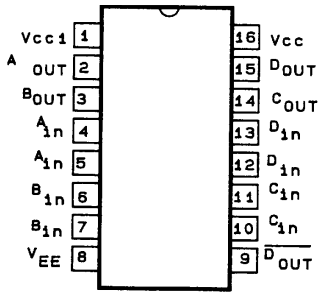


SEMICONDUCTORS

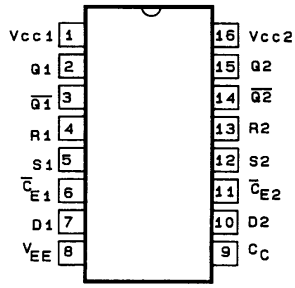
MB88101APFV-GB



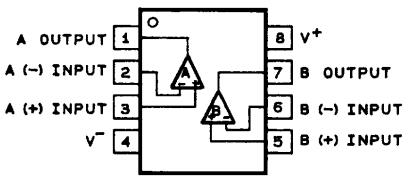
MCIOH102P
MC10102P



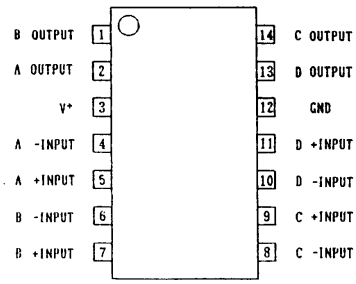
MC10H131P
MC10131P



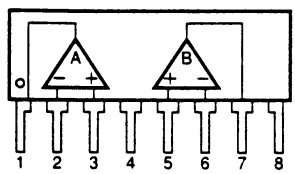
NJM072M
NJM4558D
NJM4558V
NJM5532M
UPC812G



NJM2901V

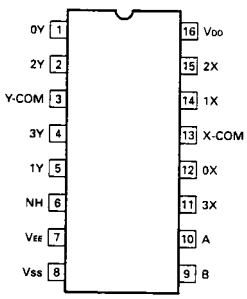


NJM4558L

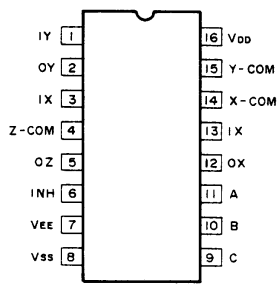


Pin name
1. A OUTPUT
2. A−INPUT
3. A+INPUT
4. V−
5. B+INPUT
6. B−INPUT
7. B OUTPUT
8. V+

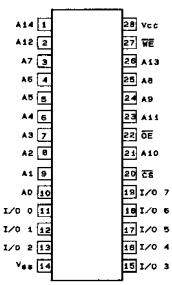
TC4052BF



TC4053BF



62256BLFP7SL



TC74HC00AF
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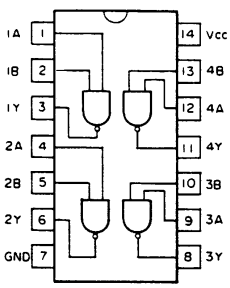

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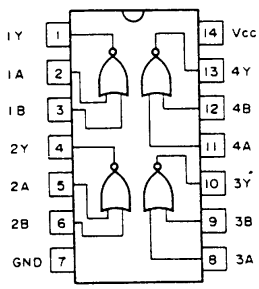

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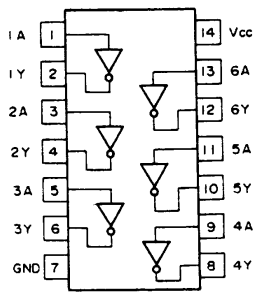

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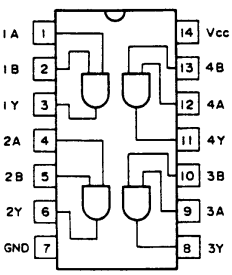

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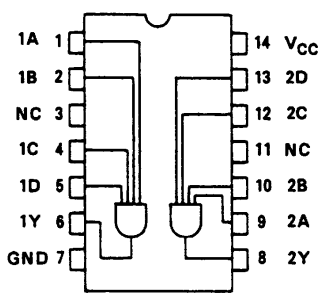

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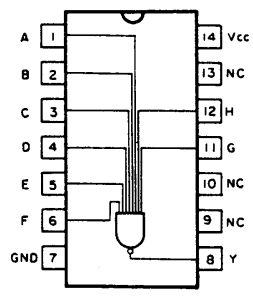

SEMICONDUCTORS

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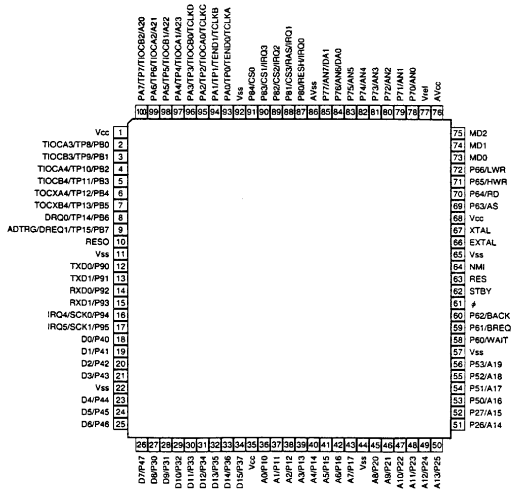

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2SC1318A(R)
2SC1907
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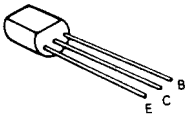
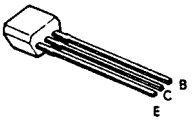
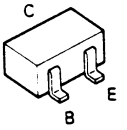


2SA933S(R,S)
2SC1740S(R,S)



2SA1307K(R,S)
2SA1738(R)
2SA1226(E4)
2SC2412K(R)
2SC2714(0)
2SC2735
2SC3115(D27)
2SC3735(B34)
2SC3775(3)



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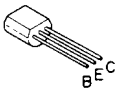
2SC3779(D)



2SA1304
2SA1499(P)
2SB1015(Y)
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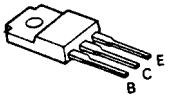

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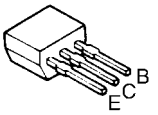

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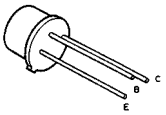

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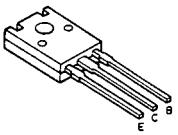
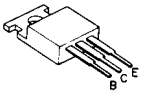


2SD613(E)



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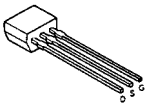

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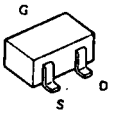
2SK209(Y)
2SK508(K52)



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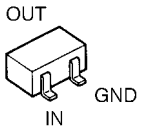

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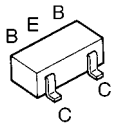

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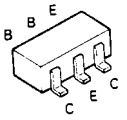

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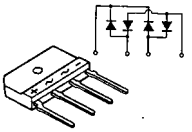

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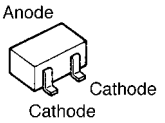

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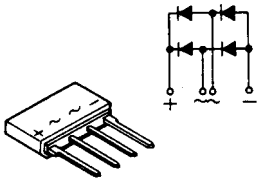

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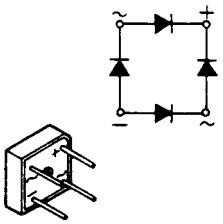

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